

UNITED STATES DEPARTMENT OF THE INTERIOR

Harold L. Ickes, Secretary

GEOLOGICAL SURVEY
W. C. Mendenhall, Director

Water Resources Branch,
Geological Survey,
Box 3106, Capitol Station
Oklahoma City, Okla.

WATER LEVELS AND ARTESIAN PRESSURE
IN OBSERVATION WELLS IN THE
UNITED STATES IN 1941

PART 5. NORTHWESTERN STATES

BY

O. E. MEINZER, L. A. WENZEL

and others

Prepared in cooperation with the States of
IDAHO, MONTANA, OREGON, UTAH, WASHINGTON, AND WYOMING
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CONTENTS

| | Page |
|--|------|
| Introduction, by O. E. Meinzer and L. K. Wenzel..... | 1 |
| Idaho, by G. C. Taylor, Jr..... | 7 |
| Montana..... | 10 |
| Flathead Valley between Flathead Lake and Kalispell, by Bernard Fisher..... | 10 |
| Oregon, by L. C. Huff..... | 13 |
| Utah, by W. K. Bach and P. E. Dennis..... | 26 |
| Washington, by G. C. Taylor, Jr., and L. C. Huff..... | 135 |
| Wyoming, by F. C. Foley..... | 152 |

ILLUSTRATIONS

| | |
|---|-----|
| Figure 1. Outline map of the United States, showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1941..... | 3 |
| 2. Graph showing fluctuations of average ground-water levels in four areas in Oregon, 1940-42..... | 15 |
| 3. Graphs showing water levels in wells near Lehi and Cedar City, Utah, and precipitation at nearby stations of the United States Weather Bureau..... | 30 |
| 4. Graphs showing water levels in wells near Nephi and Fillmore, Utah, and precipitation at nearby stations of the United States Weather Bureau..... | 32 |
| 5. Graphs showing water levels in wells near Willard and Salt Lake City, Utah, and precipitation at nearby stations of the United States Weather Bureau..... | 34 |
| 6. Graph showing the average of water levels in 23 to 30 wells in the Pine Bluffs-Egbert Area, Wyo..... | 155 |

INTRODUCTION

By O. E. Meinzer and L. K. Wenzel

The rock formations of the earth are great natural underground reservoirs in which a part of the water derived from rain and snow is stored to supply wells and springs and to maintain the flow of streams during periods of fair weather. Water levels in wells register the stages of these natural reservoirs; they show the extent to which water supplies are depleted by drought or by heavy pumping for public waterworks, for irrigation, or for industrial uses and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The changes in pressure recorded on flowing wells may indicate depletion or replenishment of the artesian reservoirs.

The regular publication of records of water levels and artesian pressure in the United States was begun by the Geological Survey in 1935, and from that year through 1939 one volume containing these data was published each year. The volumes were issued as Water-Supply Papers 777, 817, 840, 845, and 886. The number of observation wells and the quantity of records on water levels and artesian pressure obtained from them have increased gradually from year to year. As a result the records for 1940 were published in six volumes, Water-Supply Papers 906 to 911, inclusive. Water-Supply Paper 906 contains the records for the northeastern States, 907 for the southeastern States, 908 for the north-central States, 909 for the south-central States, 910 for the northwestern States, and 911 for the southwestern States and Hawaii. Records for 1941 are being published in six volumes also, each volume covering a section of the United States corresponding to that covered by one of the volumes containing records for 1940. (See fig. 1.) This series of reports is in a sense an inventory, year by year, of the ground-water supplies of those parts of the country that are covered.

This volume covers the northwestern section and gives records of water level or artesian pressure in about 1,281 observation wells of the Geological Survey and cooperating agencies in Idaho, Montana, Oregon, Utah, Washington, and Wyoming. Of these wells 43 are equipped with automatic water-stage recorders. In some wells for which records had not heretofore been published complete records of water levels are given in this report, including those for years before 1941. For wells whose previous records have been published, however, this volume gives only current records. If complete descriptions of the wells were given in one of the previous reports, only the well numbers or the well numbers and brief identifying descriptions are given in this report. The report includes about 7,276 individual measurements of water level or artesian pressure.

The water levels in this report are given with reference to datum planes of different kinds. Some are given in depths below measuring point --that is, below the recognized reference mark, at or near the top of the well, from which the depth to water level is usually measured; and some are given in height above an assumed datum plane. As the measuring points on some of the wells were changed in 1941, the records may not be directly comparable with those in previous annual volumes, but changes in measuring points are recorded in this report. Water levels given in height above sea level or above assumed datum planes are generally comparable with those given in the previous volumes. Unless otherwise stated, the depth of wells is usually the measured depth below the measuring point.

Acknowledgments for effective services in the preparation of this report are due Miss Dorothy M. Ireland and Mrs. Roxie Lou Davis, who typed the offset copy; and to Rodney Hart, who prepared the illustrations and gave other assistance in preparing the copy.

GENERAL SUMMARY OF CHANGES IN GROUND-WATER LEVELS IN 1941

IN THE NORTHWESTERN PART OF THE UNITED STATES

In 1941 the precipitation in the northwestern States was generally above normal, and in most parts of the region the water levels rose. The general rise was especially notable in Utah, in which the average precipitation in 1941 was 163 percent of the normal. The fluctuations of the water levels and artesian pressure in wells depend, however, on many factors

besides the amount of precipitation. Consequently, it is usually not possible to find a simple relation between the changes in water level or artesian pressure and the departures from normal precipitation.

The following statements are taken chiefly from the interpretive text of the several State sections in this volume. They summarize the changes

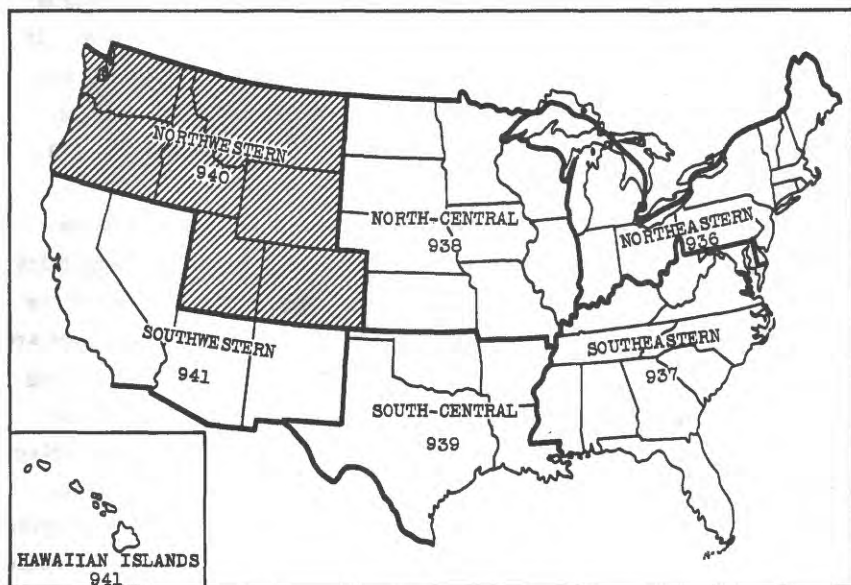


Figure 1.--Outline map of the United States, showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1941. The shaded section represents the part of the country covered by this volume.

in ground-water levels and artesian pressure that occurred in 1941 in the parts of the underground reservoirs in the northwestern States that are tapped by the observation wells.

Idaho.--The average of the water levels in 4 wells in Rathdrum Prairie area, Bonner and Kootenai Counties, was 0.24 foot higher at the end of 1941 than at the end of 1940. This net rise for the year contrasts with a net decline of 0.89 foot in 1940. The precipitation in 1941 was normal or slightly more than normal.

Montana.--In 39 wells in the valley and delta area between Flathead Lake and Kalispell, the average of the water levels was slightly higher in the early part of 1941 than in the corresponding months of 1940, and in the

later part of 1941 it was considerably higher. The water levels rose an average of 0.98 foot in the year; in 1940 there was an average rise of 0.57 foot.

Oregon.--Observation on the water levels in wells were continued in 1941 in six areas--Baker Valley, Fort Rock Valley, Grand Ronde Valley, Harney Basin, Walla Walla Basin, and Willamette Valley. The precipitation in many parts of eastern Oregon in 1941 was the greatest on record, and excessive rains occurred widely in May and June. Concurrently with this heavy rainfall the ground-water levels in the Walla Walla and Harney Basins and in the Baker Valley rose notably and were relatively high at the end of the year. In the Grande Ronde Valley the water levels in observation wells were slightly higher at the end of 1941 than at the end of the previous year; the water levels in wells of the Fort Rock Valley declined slowly throughout the year. In Willamette Valley the water level in 1941 declined earlier than usual owing to deficient rainfall in February and March. Excessive rains in December, however, raised the ground-water level considerably above its stage in December 1940; in 2 observation wells the level was higher than any previously measured.

The average net changes of water level in the 6 areas in 1941 were as follows: A rise of 1.44 feet in 4 water-table wells in Baker valley; a decline of 0.29 foot in 4 artesian wells in Fort Rock Valley; a rise of 0.38 foot in 3 water-table wells in Grande Ronde Valley; a rise of 1.28 feet in 9 water-table wells in Harney Basin; a rise of 1.13 feet in 17 water-table wells in Walla Walla Basin, and a rise of 2.10 feet in 11 water-table wells in Willamette Valley.

Utah.--The year 1941 brought a sharp upward trend in ground-water levels, in contrast to the declining trend that began in 1939 and continued through 1940. Of 41 important ground-water areas in the State, the water levels in 38 showed net rises in 1941; in the 3 other areas the water levels at the end of the year were practically the same as at the end of 1940. The average net rises in the different areas in 1941 ranged from very small amounts up to 5.7 feet. The general upward trend of the water levels throughout the State is strikingly shown by a comparison of individual well records. Taking the December measurements as being least affected by pumping and other withdrawals and hence as most nearly representing true static water levels, it is found that approximately 90 percent of the observation wells had higher water levels in December 1941 than in the corresponding month in 1940.

In about one-half of the ground-water areas for which records are available since 1935 the average ground-water levels were higher in 1941 than in any of the preceding 5 years. In the other areas the high water levels of 1937-38 were slightly above those of 1941. Rises were most marked in the areas of greatest ground-water development, notably in the North Utah Basin, in Utah County, and the South Davis Basin, in Davis County. Some areas that have not been greatly developed also showed marked rises, notably Beaver Valley, in Beaver County, and Juab Valley, in Juab County.

The upward trend of ground-water levels is chiefly the result of high precipitation in 1941, as recorded at nearly all stations of the United States Weather Bureau in Utah. Although high precipitation was general, the greatest positive departures from normal occurred in the southeastern part of the State whereas the normal values were most nearly approached in the north-central part. In a general way the distribution of precipitation is reflected in the net changes in water levels. Heber Valley, Morgan Valley, Bear Lake Valley, and other areas in the northeastern mountain province showed comparatively small rises, whereas Sanpete Valley, the upper Sevier Valley, and other areas in the Plateau province showed average rises of several feet.

Washington.--In Adams, Franklin, and Grant Counties, in the Columbia Basin, there were net rises of water level in 11 observation wells and a net declines in 3 observation wells in 1941. The greatest net rise amounted to 5.24 feet and the greatest net decline was 0.57 foot; an average net rise of 0.65 foot took place in the 14 wells in the year.

The average of the water levels in 15 wells that tap the ground-water reservoir underlying the Spokane Valley, Spokane County, rose 1.58 feet from the autumn of 1940 to the autumn of 1941. (In the corresponding period of the previous year there was a rise of 1.24 feet). Fourteen of the wells had net rises in water level in the year ending in the autumn of 1941 and only one well had a net decline.

The water levels in 13 water-table wells in Whitman County recovered somewhat from the record low stages of 1940, but remained lower than normal. The highest water level of 1941 was lower than that of 1940 in 8 wells but higher in 5 wells; the lowest level of 1941 was higher than that of 1940 in all 13 wells. In three artesian wells the water level continued to decline but the rate of decline diminished.

Wyoming.--In the Pine Bluffs-Egbert area, where measurements were begun in 1940, the average water level in 31 observation wells in December 1941 was 0.75 foot higher than in December 1940. The largest rises occurred in June, when the precipitation was considerably above normal.

Measurements made in one well near Cheyenne indicate that the water level in that area also rose in 1941. The water level on September 25, 1941, the date of the last measurement before continuous pumping began, was 1.49 feet above its stage on November 15, 1940. Observations on 48 other wells in the Cheyenne area were begun during 1941; although not conclusive, the fluctuations of water level in these wells appear to substantiate the conclusion that more recharge than usual occurred during 1941.

IDAHO

By G. C. Taylor, Jr.

Measurements of water levels in wells were continued in 1941 in the Rathdrum Prairie region of Bonner and Kootenai Counties and in the higher part of the basin of the South Fork of the Palouse River in Latah County. These two areas are extensions of areas covered by the water-level programs in Spokane and Whitman Counties, Washington. The scope and status of the investigations through which the records of water level are being obtained are described in the Washington section of this volume.

In the Rathdrum Prairie region, 40 measurements of water level were made in 4 wells during 1941--monthly in 3 wells and bimonthly in one well. No water-level recorders or float gages were maintained on wells in the area. During 1941 the water level was somewhat lower than normal in all observation wells. The yearly precipitation was about normal or slightly more than normal. The average of the water levels in the 4 wells at the end of 1941 was 0.24 foot higher than the average at the end of 1940. In 3 wells the average of the means between the highest and lowest water levels of 1941 was 2.52 feet below the average of the means between the highest and lowest water levels yet recorded. Among these 3 wells, the highest water level of 1941 was 10.41 feet below the highest of record and the lowest of 1941 was 7.01 feet above the lowest of record. The following table summarizes the water-level changes in the Rathdrum Prairie region during 1941.

Fluctuations, in feet, of water levels in 4 wells in the Rathdrum Prairie region, 1941

| | |
|--|------|
| Change from year-end water level of 1940 to highest level of 1941 | |
| Maximum rise | 3.82 |
| Maximum decline | .50 |
| Mean (rise) | 1.79 |
| Decline from highest level to year-end level, 1941 | |
| Maximum | 3.79 |
| Minimum | .80 |
| Mean | 1.30 |
| Net change during 1941 | |
| Maximum rise | 1.24 |
| Maximum decline | 1.30 |
| Mean (rise) | .24 |

In Latah County, five measurements of water level were made in one well during 1941. The highest water level in the spring of 1941 was 3.53 feet above the autumn level of 1940 and 0.36 foot below the highest level of 1940. The lowest level in the autumn of 1941 was 2.47 feet below the spring level of 1941 and 1.46 feet above the lowest level of 1940.

In 1940 the altitude of measuring points and reference bench marks with respect to sea-level datum of 1929 was determined by spirit leveling to the two observation wells in Kootenai County to which levels had not been run previously. The following table gives altitudes for all the wells in the Rathdrum Prairie region.

Altitudes of reference bench marks, measuring points, and local datum planes at observation wells in the Rathdrum Prairie region
(In feet, except as indicated, above sea-level datum of 1929)

| Well | Bench mark | Measuring point | | Local datum | |
|------------|------------|-----------------|------------|--------------------------|------------------------------|
| | | No. | Altitude | Feet above datum of 1929 | Feet above preliminary datum |
| 54/5W-27M1 | 2,431.11 | 1 | 2,423.67 | 1,996.95 | (a) |
| 50/5W-1A1 | 2,195.24 | 1 | 2,192.90 | 1,944.20 | 1,950 |
| 51/5W-33D1 | 2,140.98 | 2 | b 2,139.79 | 1,913.45 | 1,900 |
| 53/4W-24D1 | 2,497.75 | 1 | 2,498.53 | 1,996.95 | (a) |

For descriptions of wells and records of water levels in previous years see Water-Supply Papers 777, 817, 840, 845, 886, and 910.

Bonner County

Rathdrum Prairie region

54/5W-27M1. J. C. Natvig. Local datum, 1,996.95 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|
| Feb. 5 | 189.20 | June 5 | 191.35 | Oct. 9 | 190.66 |
| Mar. 26 | 188.89 | Aug. 8 | 191.10 | Dec. 6 | 190.19 |

Kootenai County

Rathdrum Prairie region

50/5W-1A1. Washington Water Power Co. well 96. Post Falls Irrigated District. Local datum, 1,944.20 above sea-level datum of 1929. Pump operating in well at time of each water-level measurement.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Feb. 5 | 46.84 | May 1 | 47.05 | Aug. 8 | 51.36 | Nov. 7 | 49.05 |
| Mar. 3 | 47.09 | June 5 | 48.27 | Sept. 3 | 51.36 | Dec. 6 | 47.54 |
| 26 | 46.58 | July 2 | 50.23 | Oct. 9 | 49.63 | | |

a Final datum established prior to 1940.

b Includes 0.15 foot correction for inclination of tape.

Kootenai County--Continued.

51/5W-33D1. Washington Water Power Co. well 58. Spokane International Railway Co. Local datum, 1,913.45 above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|-----------|-------------|--------|-------------|
| Feb. 5 | 67.51 | May 1 | 67.75 | Aug. 8 | 69.35 | Nov. 7 | 68.53 |
| Mar. 3 | 68.39 | June 5 | 68.55 | Sept. 4 a | 70.30 | Dec. 6 | 67.33 |
| 26 | 67.57 | July 2 | 70.05 | Oct. 9 | 68.31 | | |

53/4W-24D1. Washington Water Power Co. well 91. C. T. Jurgens. Local datum, 1,996.95 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Feb. 5 | 19.24 | May 1 | 19.03 | Aug. 8 | 19.42 | Nov. 7 | 19.23 |
| Mar. 3 | 19.08 | June 5 | 18.92 | Sept. 3 | 19.63 | Dec. 6 | 18.45 |
| 26 | 18.80 | July 2 | 19.48 | Oct. 9 | 19.14 | 31 | 18.83 |

Latah County

Falouse River area

40/6-36F1. Formerly 7A. Latah County. Correction: Water level, Mar. 20, 1940, 15.99 feet.

Water level, in feet above assumed datum, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|--------|-------------|
| Mar. 28 | 16.00 | Aug. 9 | 13.80 | Dec. 5 | 13.71 |
| June 3 | 15.96 | Oct. 10 | 13.53 | | |

39/6-1Q1. G. P. Mix, Moscow, Idaho. Correction: Water level, Aug. 17, 1939, 500.15 feet.

a Pump operating in well.

MONTANA

FLATHEAD VALLEY BETWEEN FLATHEAD LAKE AND KALISPELL

By Bernard Fisher

Periodic measurements in 39 wells in the valley and delta area between Flathead Lake and Kalispell were continued through 1941.^{1/} To the 165 readings that have been collected since July 1928 were added 10 new readings.

The valley and delta area comprises about 25 square miles at the north end of Flathead Lake. During most of the year the river and lake maintain fairly constant levels, but in the spring they rise to flood peaks and promptly begin to subside. The readings on the observation wells show that the ground-water levels in the vicinity of the lake and river rise and fall in response to the annual change in stage.^{2/} The fluctuations are greatest nearest the river and lake and least in the interior of the area. Proposed regulation of the lake and river levels will probably result in some local changes in the use of the delta lands; some tracts will be rendered unfit for agriculture owing to the rise of the water table, some tracts will become marginal, some may even be improved, but most of the land will be unaffected by the rise.^{3/}

Average monthly water levels and comparisons with those of 1941 and 1929 are given in the following table. In the early part of 1941 the water levels were generally slightly higher than in the corresponding months of 1940. In the latter part of the year the divergence between the 1941 and 1940 records increased so that the averages for the fall of 1941 were almost a foot higher than for the corresponding period of 1940. The average water levels in 1941 were lower than for the corresponding months of 1929 except in January, October, November, and December.

^{1/} See Water-Supply Papers 777, 817, 840, 845, 886, and 910 for records of water level from 1928 to 1940.

^{2/} Cady, R. C., Effect upon ground-water levels of proposed surface-water storage in Flathead Lake, Montana: U. S. Geol. Survey Water-Supply Paper 849, pp. 59-81, 1941.

^{3/} Cady, R. C., Op. cit., p. 59.

The water levels could not be measured in wells 22, 26, and 28 in April 1941, and in well 44 in June 1941. For completeness a calculated substitute reading was inserted in computing the average water levels. This was done by comparing readings on the well with readings on nearby wells.

The water levels are expressed in feet above the altitude 2,800 feet above sea level.

Average monthly water levels, in feet, in observation wells in Flathead Valley, Mont., in 1941, and their differences from monthly averages in 1940 and 1929

| Month | Average 1941 | Difference from average in 1940 | Difference from average in 1929 |
|-----------|-----------------|------------------------------------|------------------------------------|
| January | 86.71 | +0.56 | a +1.06 |
| February | ..... | .... | ..... |
| March | 86.83 | +4.7 | -1.33 |
| April | 86.78 | +3.7 | -1.27 |
| May | 86.84 | +3.8 | -1.29 |
| June | 87.21 | +4.9 | -1.17 |
| July | 87.40 | .... | -.97 |
| August | 87.41 | +6.8 | -1.18 |
| September | 87.49 | .... | .... |
| October | ..... | .... | .... |
| November | 87.64 | +9.8 | +5.6 |
| December | 87.68 | +9.8 | +6.5 |

Water levels, in feet above datum, 1941
(2,800 feet must be added to convert water
levels to altitudes above sea level.)

| Well No. | Jan. 22 | Mar. 3 | Apr. 20 | May 18 | June 19 | July 18 | Aug. 16 | Sept. 26 | Nov. 1 | Dec. 5 |
|-------------|------------|-----------|------------|-----------|------------|------------|------------|-------------|-----------|-----------|
| 1 | 87.40 | 87.75 | 87.91 | 87.86 | 87.96 | 88.04 | 88.17 | 88.35 | 88.46 | 88.56 |
| 2 | 84.93 | 84.74 | 84.96 | 84.93 | 84.79 | 84.57 | 84.46 | 84.81 | 84.99 | 85.07 |
| 3 | 81.11 | 81.30 | 81.65 | 81.69 | 81.39 | 80.90 | 80.38 | 80.44 | 80.73 | 80.98 |
| 4 | 83.67 | 84.20 | 84.40 | 84.46 | 84.29 | 83.99 | 83.84 | 84.14 | 84.33 | 84.44 |
| 5 | 88.38 | 89.41 | 88.73 | 88.63 | 88.78 | 88.92 | 89.11 | 89.17 | 89.28 | 89.37 |
| 6 | 88.28 | 88.54 | 88.80 | 88.76 | 88.64 | 88.39 | 88.22 | 88.25 | 88.34 | 88.40 |
| 7 | 88.31 | 88.49 | 88.75 | 88.73 | 88.73 | 88.66 | 88.59 | 88.52 | 88.48 | 88.47 |
| 9 | 87.49 | 88.13 | 87.82 | 86.50 | 88.04 | 88.50 | 88.75 | 88.84 | 88.95 | 89.04 |
| 10 | 87.53 | 87.93 | 87.97 | 87.81 | 88.18 | 88.35 | 88.54 | 88.72 | 88.86 | 88.99 |
| 11 | 85.24 | 85.76 | 85.92 | 85.89 | 85.87 | 85.60 | 85.38 | 85.35 | 85.41 | 85.48 |
| 13 | 84.30 | 84.83 | 85.14 | 83.77 | 84.81 | 84.53 | 84.45 | 84.76 | 85.03 | 85.23 |
| 14 | 86.69 | 86.20 | 85.56 | 85.80 | 87.54 | 88.66 | 89.03 | 88.99 | 89.26 | 89.13 |
| 19 | 86.47 | 87.99 | 87.11 | 86.82 | 86.42 | 85.55 | 85.21 | 85.78 | 86.05 | 86.22 |
| 20 | 87.23 | 87.53 | 87.59 | 87.58 | 87.55 | 87.29 | 87.33 | 87.49 | 87.58 | 87.68 |
| 21 | 87.72 | 89.06 | 87.15 | 86.84 | 87.22 | 87.45 | 87.91 | 88.68 | 89.01 | 89.39 |
| 22 | 87.52 | 87.21 | ..... | 87.09 | 87.81 | 88.31 | 88.54 | 88.71 | 88.93 | 89.01 |
| 23 | 86.80 | 85.14 | 85.31 | 89.05 | 91.82 | 92.02 | 91.68 | 91.13 | 91.58 | 91.30 |
| 25 | 88.06 | 87.65 | 87.10 | 87.21 | 87.75 | 88.77 | 89.28 | 89.64 | 89.86 | 89.96 |
| 26 | 88.02 | 87.87 | ..... | 87.49 | 87.83 | 88.18 | 88.49 | 88.87 | 89.16 | 89.43 |
| 27 | 87.66 | 86.73 | 85.99 | 86.87 | 89.88 | 91.14 | 91.51 | 91.16 | 91.49 | 91.08 |
| 28 | 87.86 | 87.56 | ..... | 87.59 | 88.25 | 88.67 | 88.96 | 89.20 | 89.43 | 89.60 |
| 29 | 87.58 | 86.96 | 86.36 | 87.23 | 89.35 | 90.10 | 90.30 | 90.20 | 90.47 | 90.24 |
| 30 | 87.30 | 87.27 | 87.86 | 87.80 | 87.75 | 87.74 | 87.80 | 87.90 | 87.92 | 87.90 |
| 31 | 87.43 | 87.36 | 87.75 | 87.80 | 87.84 | 87.76 | 87.75 | 87.79 | 87.74 | 87.67 |
| 32 | 87.85 | 87.93 | 88.90 | 88.80 | 88.62 | 88.38 | 88.14 | 88.12 | 88.04 | 87.93 |
| 33 | 85.89 | 84.27 | 85.06 | 84.92 | 84.63 | 84.19 | 83.87 | 84.11 | 84.43 | 84.66 |

a In Water-Supply Paper 910 the difference from average in 1929 for January 1940 was incorrectly given as -1.50. It should be +.50.

Water levels, in feet above datum, 1941--Continued
(2,800 feet must be added to convert water
levels to altitudes above sea level.)

| Well No. | Jan. 22 | Mar. 3 | Apr. 20 | May 18 | June 19 | July 18 | Aug. 16 | Sept. 26 | Nov. 1 | Dec. 5 |
|--------------|------------|-----------|------------|-----------|------------|------------|------------|-------------|-----------|-----------|
| 34 | 86.88 | 86.92 | 87.42 | 87.43 | 87.41 | 87.35 | 87.32 | 87.31 | 87.23 | 87.20 |
| 35 | 86.79 | 86.76 | 87.37 | 87.30 | 87.17 | 86.96 | 86.77 | 86.79 | 86.78 | 86.80 |
| 36 | 85.44 | 85.48 | 85.81 | 85.85 | 85.84 | 85.79 | 85.71 | 85.65 | 85.62 | 85.63 |
| 37 | 85.66 | 84.71 | 85.17 | 85.18 | 85.14 | 84.85 | 84.59 | 84.59 | 84.61 | 84.63 |
| 38 | 85.06 | 85.21 | 85.54 | 85.50 | 85.40 | 84.90 | 84.66 | 84.66 | 84.79 | 84.89 |
| 39 | 85.55 | 86.75 | 85.75 | 85.02 | 86.00 | 86.08 | 86.21 | 86.41 | 86.57 | 86.71 |
| 40 | 87.05 | 87.38 | 87.00 | 86.61 | 86.20 | 91.09 | 91.21 | 90.36 | 91.05 | 90.40 |
| 41 | 86.69 | 87.02 | 87.34 | 87.33 | 86.92 | 87.29 | 87.25 | 87.28 | 87.29 | 87.29 |
| 43 | 87.11 | 87.47 | 87.54 | 87.54 | 87.56 | 87.51 | 87.43 | 87.47 | 87.53 | 87.59 |
| 44 | 87.81 | 87.99 | 88.49 | 88.42 | ..... | 88.09 | 88.00 | 87.97 | 88.01 | 88.04 |
| 45 | 88.53 | 88.58 | 88.85 | 88.84 | 88.86 | 88.72 | 88.58 | 88.53 | 88.53 | 88.56 |
| 46 | 85.34 | 85.50 | 85.57 | 85.65 | 85.65 | 85.53 | 85.64 | 85.85 | 85.94 | 86.02 |
| 47 | 88.96 | 88.78 | 88.40 | 88.28 | 89.26 | 89.78 | 89.87 | 89.99 | 90.34 | 90.57 |
| Aver- age | 86.71 | 86.83 | 86.78 | 86.84 | 87.21 | 87.40 | 87.41 | 87.49 | 87.64 | 87.68 |

OREGON

By L. C. Huff

In 1941 the program of measurements of water level in Oregon was continued, to indicate seasonal and yearly fluctuations of ground-water storage in six typical areas. This was accomplished through cooperation between the Geological Survey, the Oregon State Engineer, and the Oregon Agricultural Experiment Station. The scope of the program was similar to that of 1940, as outlined in Water-Supply Paper 910. Approximately 690 measurements were made in 55 observation wells, 3 new observation wells were established, and none were discontinued. No water-level recorders are being operated on wells in Oregon at the present time.

In all observation wells of the Baker, Fort Rock, Grande Ronde, Harney, and Willamette Valleys water levels were measured three times during the year by Joseph E. Upson, of the Geological Survey. In addition, monthly measurements were made in three wells on the Experiment Station farm in the Harney Valley by Obil Shattuck and R. E. Hutchison, voluntary observers; in the Walla Walla Basin, measurements were made once or twice a month in each well by or under the direction of J. M. Spencer, district watermaster; also, float gages were maintained at two wells in the latter area and were observed periodically by the owners, O. K. Goodman and Walter Hermann, who served without pay.

The reconnaissance investigation of ground-water conditions in Lake County, being made in cooperation with the Oregon Agricultural Experiment Station, was essentially completed during the year; a report is in preparation. A report on the Willamette Valley is in publication.^{1/}

The two tables that follow show the trend of water levels during the year and the height of the year-end levels with respect to the arithmetic mean between the highest and lowest levels thus far observed.

^{1/} Piper, A. M., Ground-water resources of the Willamette Valley, Oregon: U. S. Geol. Survey Water-Supply Paper 890.

Average and extreme yearly rise or decline of
water levels, in feet, in six typical areas
in Oregon, 1941

| Area | Number of wells | Kind of well | Kind of change | Change |
|---------------------|--------------------|-----------------|-------------------|--------|
| Baker Valley | 4 | water-table | average | +1.44 |
| Fort Rock Valley | 4 | artesian | average | - .29 |
| | 2 | water-table | average | - .22 |
| Grande Ronde Valley | 4 | water-table | average | + .38 |
| Harney Basin | 9 | water-table | average | +1.28 |
| | | | greatest rise | +3.49 |
| | 2 | artesian | greatest decline | - .19 |
| Walla Walla Basin | 17 | water-table | average | +1.20 |
| | | | average | +1.13 |
| | | | greatest rise | +7.68 |
| | | | greatest decline | -1.24 |
| Willamette Valley | 13 | water-table | average | +2.10 |
| | | | greatest rise | +7.76 |
| | | | greatest decline | - .16 |
| | 2 | artesian | average | +1.75 |

Average heights of year-end water levels, in feet, above (+)
or below (-) the arithmetic mean between the highest and
lowest water levels thus far observed in six typical
areas in Oregon, 1941

| Area | Number of wells | Kind of wells | Height |
|---------------------|--------------------|------------------|--------|
| Baker Valley | 4 | water-table | +1.31 |
| Fort Rock Valley | 4 | artesian | -1.28 |
| | 2 | water-table | - .93 |
| Grande Ronde Valley | 4 | water-table | + .30 |
| Harney Basin | 9 | water-table | - .06 |
| Walla Walla Basin | 18 | water-table | -2.88 |
| Willamette Valley | 13 | water-table | +4.07 |
| | 3 | artesian | +4.74 |

The accompanying figure shows fluctuations of average ground-water level in the Willamette Valley of western Oregon and in three of the five typical areas in eastern Oregon. These fluctuations bring out certain fundamental differences in hydrologic regimen that are due to features of climate.

Thus, in the Willamette Valley the average rainfall is about 40 inches for the year and about 30 inches for the 6 months from October through March; ordinarily the soil is not frozen during the winter season. Under such conditions the first storms of autumn replenish the deficiency in soil moisture and later storms, especially if heavy and prolonged, cause penetration of water to the water table. Commonly the water table reaches its highest level in January or February, remains relatively high through March or April, and then declines steadily until November or December. In 1941 water levels declined earlier than usual as the rainfall was deficient during February and March. However, excessive rainfall in December raised the water level considerably higher than in December 1940; in 2 observation wells the level was higher than any previously measured.

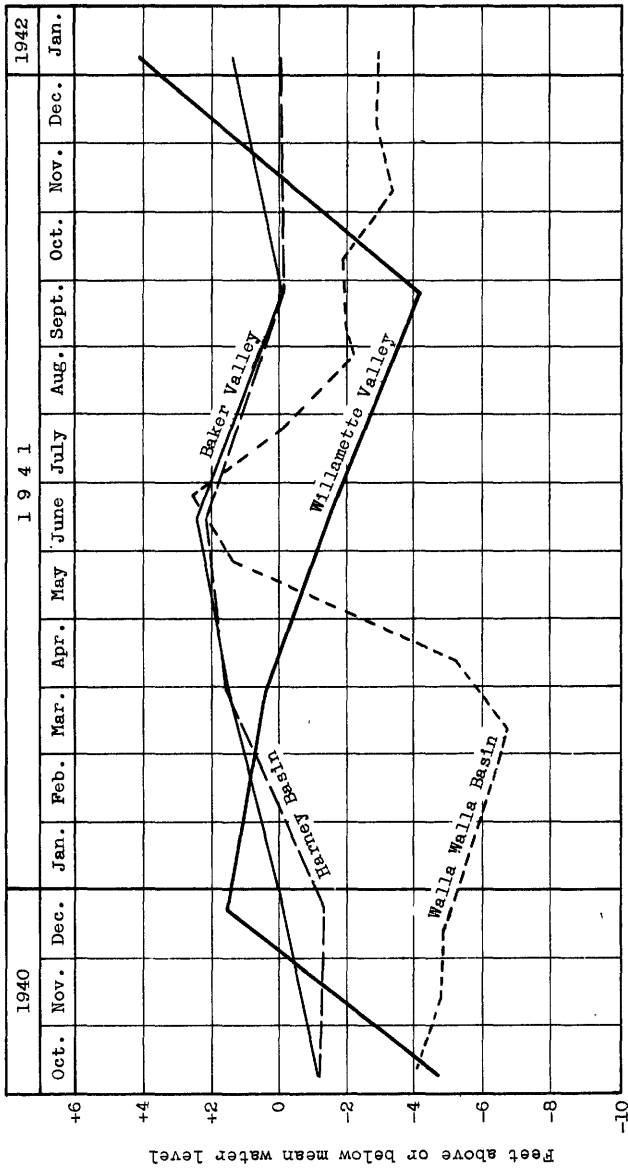


Figure 2.--Graph showing fluctuations of average ground-water levels in four areas in Oregon, 1940-42.

In the Walla Walla Basin the ground-water level generally tends to decline slowly through autumn and winter until April, rises rapidly in May or June, concurrently with the seasonal freshet in the Walla Walla River, and then declines until the next period of replenishment. In many years the range in water level is as much as 25 feet in the higher part of the basin. In the Baker Valley and Harney Basin the water level starts to rise during late autumn or early winter as the vegetation ceases to consume water, then rises somewhat more rapidly in the spring as the valley plains are flooded extensively by the melting of local snow and by the seasonal freshets in the streams. The water level is highest in late spring or early summer and then declines steadily until about the end of the growing season. The ordinary yearly range in water level is from a few feet to about 10 feet. During 1941 the precipitation in many parts of eastern Oregon was the greatest on record and excessive rainfall occurred widely in May and June. Concurrently with this heavy rainfall the ground-water level in the Walla Walla and Harney Basins and in the Baker Valley rose higher than usual and was still relatively high at the end of the year.

In the Grande Ronde and Fort Rock Valleys the observation wells tap bodies of ground water whose levels commonly fluctuate less than a foot a year. At the end of the year the water levels in the wells of the Grande Ronde Valley were slightly higher than at the end of 1940; the water levels in wells of the Fort Rock Valley had continued to decline slowly throughout the year.

For the descriptions of the wells and records of water levels in previous years see Water-Supply Papers 777, 817, 840, 845, 886, and 910.

Baker County

Baker Valley

Water levels in Baker County are expressed in feet above sea-level datum of 1929.

7/39-20N1. Water levels, in feet: Mar. 28, 1941, 3,369.81; June 14, 1941, 3,371.71; Sept. 23, 1941, 3,368.71; Jan. 6, 1942, 3,369.82.

8/39-22F1. Water levels, in feet: Mar. 28, 1941, 3,381.18; June 14, 1941, 3,382.07; Sept. 23, 1941, 3,381.05; Jan. 6, 1942, 3,382.23.

8/40-19D1. Water levels, in feet: Mar. 28, 1941, 3,340.36; June 14, 1941, 3,341.21; Sept. 23, 1941, 3,337.03; Jan. 6, 1942, 3,339.39.

8/40-23A1. Water levels, in feet: Mar. 28, 1941, 3,344.49; June 14, 1941, 3,344.42; Sept. 23, 1941, 3,342.86; Jan. 6, 1942, 3,343.75.

9/40-8N1. Water levels, in feet: Mar. 28, 1941, a/; June 14, 1941, 3,402.43; Sept. 23, 1941, a/; Jan. 6, 1942, a/.

a Dry.

Benton County

Willamette Valley

596. W. E. Thomas. Water levels, in feet above 1929 sea-level datum: Mar. 30, 1941, 256.43; June 12, 1941, 254.37; Sept. 26, 1941, 252.25; Jan. 10, 1942, 262.30.

Clackamas County

Willamette Valley

100. Pietro Presutti. Artesian well. Measuring point (2), beginning Dec. 5, 1939, top of 6-inch well casing, 0.10 foot below measuring point (1), 0.3 foot above land surface, and 159.18 feet above sea-level datum of 1929. Water levels, in feet above 1929 sea-level datum: Mar. 31, 1941, 106.38; June 13, 1941, 106.02; Sept. 27, 1941, 105.71; Jan. 12, 1942, 117.34.

Harney County

Harney Valley

Water levels in Harney County are expressed in feet above sea-level datum of 1929.

22/31-34N1. Frank Whiting. Artesian well. Water levels, in feet: Mar. 28, 1941, 4,142.96; June 15, 1941, 4,147.20; Sept. 24, 1941, 4,144.35; Jan. 7, 1942, a/ 4,143.31.

23/31-3D2. Harney County. Water-table well. Water levels, in feet: Mar. 28, 1941, 4,149.28; June 15, 1941, 4,149.29; Sept. 24, 1941, 4,146.87; Jan. 7, 1942, 4,147.62.

23/31-14A3. Harney County. Water-table well. Water levels, in feet: Mar. 28, 1941, 4,138.47; June 15, 1941, 4,135.82; Sept. 25, 1941, 4,132.73; Jan. 7, 1942, 4,132.26.

23/31-16E1. Harney County. Water-table well. Water levels, in feet: Mar. 28, 1941, 4,141.93; June 15, 1941, 4,142.86; Sept. 25, 1941, 4,139.41; Jan. 8, 1942, 4,139.41.

23/31-33E1. Harney County. Water-table well. Water levels, in feet: Mar. 28, 1941, 4,128.93; June 15, 1941, 4,132.29; Sept. 25, 1941, 4,128.72; Jan. 8, 1942, 4,129.07.

23/32-7L1. Harney Branch Experiment Station. Water-table well. Measurements on Mar. 28, June 15, and Sept. 25, 1941, by U. S. Geological Survey; all others by Obil Shattuck and R. E. Hutchison, voluntary observers.

Water level, in feet above sea level, 1941

| Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|
| Feb. 4 | 4,128.05 | May 22 | 4,129.28 | Sept. 2 | 4,129.19 |
| Mar. 3 | 4,130.69 | June 2 | b 4,128.94 | 25 | 4,128.50 |
| 28 | 4,130.51 | 15 | b 4,132.03 | Oct. 1 | 4,128.36 |
| Apr. 1 | 4,130.41 | July 7 | b 4,133.64 | Nov. 4 | 4,127.99 |
| May 2 | 4,129.81 | Aug. 1 | b 4,130.69 | Dec. 1 | 4,127.81 |

a Recovering rapidly.

b Adjacent land being irrigated.

Harney County--Continued.

23/32-7L2. Harney Branch Experiment Station. Artesian well. Measuring point, top edge of cement floor near well, 4,135.24 feet above sea-level datum of 1929. Measurements by cooperative observers published since Jan. 1937 are 0.36 foot low. Measurements on Mar. 28, June 15, and Sept. 25, 1941, by U. S. Geological Survey; all others by Obil Shattuck and R. E. Hutchison, voluntary observers. See following table for record of monthly pumpage.

Water levels, in feet above sea level, 1941

| Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|--------|-------------|
| Feb. 4 | 4,128.12 | May 2 | 4,130.54 | Oct. 1 | 4,128.33 |
| Mar. 3 | 4,128.67 | 22 | 4,130.64 | Nov. 4 | 4,128.75 |
| 28 | 4,129.73 | Sept. 2 | 4,126.89 | Dec. 1 | 4,128.83 |
| Apr. 1 | 4,129.84 | 25 | 4,128.23 | | |

23/32-7Q3. Harney Branch Experiment Station. Water-table well. Measurements on Mar. 28, June 15, and Sept. 25, 1941, by U. S. Geological Survey; all others by Obil Shattuck and R. E. Hutchison, voluntary observers.

Water levels, in feet above sea level, 1941

| | | | | | |
|--------|----------|---------|----------|----------|------------|
| Feb. 4 | 4,127.49 | June 2 | 4,129.60 | Sept. 25 | 4,128.45 |
| Mar. 3 | 4,129.25 | 15 | 4,129.73 | Oct. 1 | 4,128.43 |
| 28 | 4,129.84 | July 7 | 4,129.85 | Nov. 4 | 4,127.96 |
| Apr. 1 | 4,129.79 | Aug. 1 | 4,129.46 | Dec. 1 | a 4,127.81 |
| May 2 | 4,130.04 | Sept. 2 | 4,126.88 | 17 | 4,127.69 |
| 22 | 4,129.79 | | | | |

23/32-30R1. Harney County. Water-table well. Water levels, in feet: May 28, 1941, 4,118.33; June 15, 1941, 4,118.14; Sept. 25, 1941, 4,117.89; Jan. 8, 1942, 4,117.77. Correction: Water level, Dec. 7, 1939, 4,117.05 feet.

24/31-28E1. Harney County. Water-table well. Water levels, in feet: Mar. 28, 1941, 4,116.51; June 15, 1941, 4,115.99; Sept. 25, 1941, 4,114.58; Jan. 8, 1942, 4,114.16

24/32-24R1. Harney County. Water-table well. Water levels, in feet: Mar. 28, 1941, 4,065.36; June 15, 1941, 4,066.47; Sept. 25, 1941, 4,065.42; Jan. 8, 1942, 4,066.21.

Approximate monthly pumpage, in acre-feet, from two irrigation wells at the Harney Branch Experiment Station, 1941

| Month | Well 23/32-7L2 b/ | Well 23/32-7Q1 c/ |
|--------------|-------------------|-------------------|
| May | 2.63 | 6.62 |
| June | 54.29 | 36.53 |
| July | 30.56 | 31.14 |
| August | 11.93 | 6.39 |
| May - August | 99.41 | 80.68 |

a Dry at measured depth.

b Pump operated May 27-28; June 2 to July 31; and Aug. 3 to 13.

c Pump operated May 24 to 31, and June 2 to Aug. 13.

Lake County

Fort Rock Valley

Unless otherwise stated, the water level in each well in Lake County is expressed in feet above an assumed datum, which is 10 feet below the measured or interpolated water level in that well on Sept. 4, 1932.

25/14-16E1. Harry Crampton. Artesian well. Water levels, in feet: Mar. 29, 1941, 7.28; June 6, 1941, 7.25; Sept. 25, 1941, 7.16; Jan. 9, 1942, 7.01.

25/15-22B1. Roy Morehouse. Artesian well. Addition to previous record: Water level, May 18, 1940, 7.32 feet. Water levels, in feet: Mar. 29, 1941, 6.86; June 6, 1941, 6.91; Sept. 25, 1941, 6.82; Jan. 9, 1942, 6.57.

27/15-4G1. H. M. Parks. Artesian well. Water levels, in feet: Mar. 29, 1941, 7.29; June 9, 1941, 7.23; Sept. 25, 1941, 7.31; Jan. 9, 1942, 7.11.

27/15-4G2. H. M. Parks. Artesian well. Water levels, in feet: Mar. 29, 1941, 7.35; June 12, 1941, 6.65; Sept. 25, 1941, 7.33; Jan. 9, 1942, 7.13.

27/17-22R2. W. D. Collins. Water-table well. Water levels, in feet: Mar. 29, 1941, 7.36; May 25, 1941, 8.74; Sept. 25, 1941, 7.32; Jan. 9, 1942, 7.11.

27/18-6E2. W. D. Collins. Water-table well. Arbitrary datum, 100.00 feet below measuring point. Water levels, in feet above datum: Mar. 29, 1941, 75.83; May 25, 1941, 75.82; Sept. 25, 1941, 75.83; Jan. 9, 1942, a/.

27/18-7N1. M. S. Buchanan. Water-table well. Water levels, in feet: Mar. 29, 1941, 7.56; May 25, 1941, 7.47; Sept. 25, 1941, 5.75; Jan. 9, 1942, 7.47.

Lake County

Willow Creek Valley

36/21-6B1. C. W. E. Jennings. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 36S., R. 21 E. At Valley Falls, 50 feet south and 35 feet west of post office and store. Domestic, dug well, 8.0 feet square, and 20.9 feet deep. Measuring point, top of 2 by 8-inch wood stringer at southwest corner of trap, marked by cooper nail with washer, 4,322.6 feet above preliminary sea-level datum and 1.0 foot above natural land surface.

Water level, in feet above preliminary sea-level datum, 1938-42

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Aug. 27, 1938 | 4,304.39 | Dec. 7, 1939 | 4,304.82 | Dec. 21, 1940 | 4,305.11 |
| Dec. 15 | 4,304.63 | May 28, 1940 | 4,305.05 | Mar. 29, 1941 | 4,305.23 |
| Mar. 22, 1939 | 4,304.77 | Oct. 7 | 4,305.05 | Sept. 25 | 4,305.39 |
| June 21 | 4,304.76 | Nov. 28 | 4,305.07 | Jan. 8, 1942 | 4,305.50 |
| Sept. 28 | 4,304.83 | | | | |

Lane County

Willamette Valley

636. Junction City. Water levels, in feet above 1929 sea-level datum: Mar. 30, 1941, 317.26; June 12, 1941, 315.90; Sept. 26, 1941, 313.40; Jan. 10, 1942, 319.37.

680. Leo Sidwell. Water levels, in feet above 1929 sea-level datum: Mar. 30, 1941, 377.80; June 12, 1941, 377.34; Sept. 26, 1941, 376.72; Jan. 10, 1942, 380.18.

a Heavy snow prevented measurement.

Linn County

Willamette Valley

421. Henry Hoefer. Water levels, in feet above preliminary sea-level datum: Mar. 31, 1941, 166.32; June 12, 1941, 165.29; Sept. 27, 1941, 162.75; Jan. 11, 1942, 169.20.

463. Oregon Agricultural Experiment Station. Water levels, in feet above 1929 sea-level datum, 1941: Jan. 2, 200.72; Mar. 30, 197.34; June 12, 197.07; Sept. 27, 194.94.

553. J. H. Swatzka. Measuring point (2) destroyed. Measuring point (3) beginning Jan. 1941, iron lip of cement casing on south side, 273.0 feet above preliminary sea-level datum, and .05 foot below land surface. Water levels, in feet above preliminary sea-level datum, 1941: Jan. 2, 270.25; Mar. 30, 268.67; June 12, 266.13; Sept. 26, 259.61.

568A. Sigurd H. Lanstrom. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 12 S., R. 2 W.; 900 feet southeast of previous observation well 568. Well is under sheet-metal pump house about 1,200 feet east of owner's residence in Lebanon, Oregon. Dug irrigation well, 5 feet square and 16 feet deep. Measuring point, west edge of concrete curb at lip of lower of two levels of pump house floor. Measuring point, 345.15 feet above preliminary sea-level datum and approximately 1.0 foot below land surface. Water levels, in feet above preliminary sea-level datum, 1941: Jan. 2, 339.21; Mar. 30, 336.07; June 12, 336.56; Sept. 26, 337.41.

590. Keeney School District 51. Water levels, in feet above 1929 sea-level datum: Mar. 30, 1941, 281.52; June 12, 1941, 280.37; Sept. 26, 1941, 278.88; Jan. 10, 1942, 282.71.

Marion County

Willamette Valley

158. W. J. Gering. Water levels, in feet above 1929 sea-level datum: Mar. 31, 1941, 110.00; June 13, 1941, 108.39; Sept. 27, 1941, 106.18; Jan. 11, 1942, 110.10.

171. Johnson School. Measuring point (2) destroyed. Measurements beginning June 13, 1941, from former measuring point (1), top of concrete tile casing on east side, 1.8 feet above land surface and 174.66 feet above mean sea level. Water levels, in feet above 1929 sea-level datum: Mar. 31, 1941, 166.57; June 13, 1941, 160.88; Sept. 27, 1941, 155.89; Jan. 11, 1942, 171.45.

172. W. F. Keil. Water levels, in feet above 1929 sea-level datum: Mar. 31, 1941, 181.10; June 13, 1941, 176.14; Sept. 27, 1941 a/, 173.86; Jan. 12, 1942 a/, 185.09.

245. Agricultural Research Corporation (S. H. Brown). Artesian well. Water levels, in feet above 1929 sea-level datum: Mar. 31, 1941, 164.83; June 13, 1941 a/, 150.53; Sept. 27, 1941, 158.03; Jan. 12, 1942, 164.74.

297. Gideon E. Stolz. Water levels, in feet above 1929 sea-level datum: Mar. 30, 1941, 109.07; June 13, 1941, 108.02; Sept. 27, 1941, 105.71; Jan. 11, 1942, 113.22.

318. Fred Lucht. Water levels, in feet above 1929 sea-level datum: Mar. 31, 1941, 256.23; June 13, 1941, 254.16; Sept. 27, 1941, 248.96; Jan. 12, 1942, 259.95.

Multnomah County

Willamette Valley

1N/1E-34N1. Weisfield and Goldberg. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 1 N., R. 1 E. Below sidewalk at point 5 feet southeast and 54 feet southwest of south corner of intersection of SW. 6th Ave., and Washington St., Portland, Oregon. Drilled, air-conditioning well, diameter 8 inches, depth 142 feet. Measuring point, top of boss around 1-inch tapped hole in pump base, 26.77 feet above sea-level datum of 1929. Reference bench mark, sidewalk level at edge of 1-foot circular adit directly above well, 37.20 feet above sea-level datum of 1929.

a Recovering.

Water level, in feet above sea-level datum of 1929, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|---------------|-------------|
| Sept. 28, 1940 | 5.04 | Jan. 20, 1941 | 7.79 | Apr. 27, 1941 | 6.22 |
| 30 | 6.53 | 27 | 8.08 | May 4 | 6.69 |
| Oct. 18 | 4.54 | Feb. 3 | 8.10 | 11 | 6.14 |
| Nov. 9 | 7.03 | 10 | 7.92 | June 22 | 6.58 |
| 18 | 7.04 | 17 | 7.79 | July 27 | 4.03 |
| 25 | 6.86 | 24 | 7.12 | Aug. 4 | 5.33 |
| Dec. 2 | a -1.73 | Mar. 2 | 7.29 | 11 | 4.47 |
| 9 | 5.52 | 9 | 7.00 | 18 | b 3.69 |
| 16 | 7.07 | 16 | 7.16 | 25 | 4.35 |
| 23 | 7.37 | 23 | 7.09 | Sept. 15 | 5.33 |
| 30 | 7.60 | Apr. 6 | 7.07 | 22 | 5.49 |
| Jan. 6, 1941 | 7.79 | 14 | 7.05 | 29 | 5.55 |
| 13 | 7.56 | 20 | 6.71 | | |

Umatilla County

Walla Walla Basin

5N/35-1C1. John Clark.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 11 | 964.68 | Apr. 26 | 969.01 | July 10 | 968.27 | Sept. 9 | 962.43 |
| Feb. 11 | 963.27 | May 10 | 968.65 | 24 | 966.12 | Oct. 11 | 965.39 |
| Mar. 11 | 966.31 | 26 | 968.56 | Aug. 11 | 964.80 | Nov. 10 | 963.58 |
| 25 | 963.90 | June 10 | 972.86 | 26 | 962.79 | Dec. 9 | 970.34 |
| Apr. 12 | 969.52 | 25 | 968.82 | | | | |

5N/35-2C1. E. J. McSherry.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|-----------|-------------|---------|-------------|
| Jan. 10 | 956.77 | Apr. 26 | 959.54 | July 10 | 960.15 | Sept. 9 | 959.11 |
| Feb. 10 | 957.12 | May 10 | 960.36 | 24 | 960.98 | Oct. 9 | 958.13 |
| Mar. 10 | 956.47 | 26 | 961.21 | Aug. 11 a | 957.18 | Nov. 10 | 957.77 |
| 24 | 956.49 | June 10 | 960.63 | 26 | 960.59 | Dec. 9 | 957.48 |
| Apr. 10 | 958.02 | 25 a | 955.96 | | | | |

5N/35-3H1. J. M. Morse, Estate.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 10 | (c) | Apr. 26 | 934.55 | July 10 | 939.16 | Sept. 9 | 935.39 |
| Feb. 10 | (c) | May 10 | 937.33 | 24 | 939.32 | Oct. 9 | 928.48 |
| Mar. 10 | (c) | 26 | 940.66 | Aug. 11 | 940.26 | Nov. 10 | 925.02 |
| 24 | 921.05 | June 10 | 936.25 | 25 | 940.17 | Dec. 9 | 921.59 |
| Apr. 10 | 925.73 | 25 | 937.29 | | | | |

6N/34-13R1. M. O. Beauchamp.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 10 | 639.20 | Apr. 26 | 640.35 | July 10 | 642.18 | Sept. 9 | 641.12 |
| Feb. 10 | 639.22 | May 10 | 641.00 | 24 | 642.08 | Oct. 9 | 640.33 |
| Mar. 10 | 639.42 | 26 | 641.82 | Aug. 11 | 641.80 | Nov. 10 | 640.02 |
| 24 | 640.15 | June 10 | 642.17 | 25 | 641.34 | Dec. 9 | 640.15 |
| Apr. 10 | 640.00 | 25 | 642.11 | | | | |

6N/35-14L1. 6N/35-14L of Water-Supply Paper 910. Conrad Miller.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|-----------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 11 d | 785.43 | Apr. 26 | 782.01 | July 10 | 780.81 | Sept. 9 | 782.78 |
| Feb. 11 | 781.96 | May 10 | 782.37 | 24 | 781.90 | Oct. 11 | 781.59 |
| Mar. 11 | 780.59 | 26 | 781.89 | Aug. 11 | 781.89 | Nov. 10 | 781.93 |
| 24 | 780.33 | June 10 | 782.46 | 26 | 782.70 | Dec. 9 | 781.86 |
| Apr. 12 | 781.79 | 25 | 781.65 | | | | |

a Pumping.

b Recovering.

c Dry.

d Adjacent land being irrigated.

Umatilla County--Continued.

6N/35-20G1. Herman Markman. Correction: June 14, 1939, for (b) read (c).

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 10 | 730.80 | Apr. 26 | 733.36 | July 10 | 734.91 | Sept. 9 | 729.55 |
| Feb. 10 | 731.82 | May 10 | 733.80 | 24 | 733.75 | Oct. 9 | 730.82 |
| Mar. 10 | 731.48 | 26 | 734.25 | Aug. 11 | 731.91 | Nov. 10 | 732.02 |
| 24 | 731.58 | June 10 | (a) | 25 | 730.49 | Dec. 9 | 732.51 |
| Apr. 10 | 732.49 | 25 | 734.97 | | | | |

6N/35-20Q1. ----- Jackson.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| Jan. 10 | 728.04 | Apr. 26 | 734.05 | July 10 | 737.25 | Sept. 9 | 729.50 |
| Feb. 10 | 728.93 | May 10 | 734.45 | 24 | 735.76 | Oct. 9 | 730.87 |
| Mar. 10 | 726.33 | 26 | 735.94 | Aug. 11 | 732.44 | Nov. 10 | 730.35 |
| 24 | 728.69 | June 10 | 736.75 | 25 | 730.62 | Dec. 9 | 730.85 |
| Apr. 10 | 730.70 | 25 | 738.03 | | | | |

6N/35-21H1. ----- Behnke.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| Jan. 10 | 764.05 | Apr. 26 | 767.32 | July 10 | 765.08 | Sept. 9 | 765.24 |
| Feb. 10 | 766.68 | May 10 | 768.84 | 24 | 766.61 | Oct. 9 | 765.20 |
| Mar. 10 | 765.31 | 26 | 770.00 | Aug. 11 | 762.52 | Nov. 10 | 764.32 |
| 24 | 762.94 | June 10 | 768.24 | 25 | 761.07 | Dec. 9 | 764.22 |
| Apr. 10 | 767.23 | 25 | 767.91 | | | | |

6N/35-24C1. William Pomeroy.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| Jan. 11 | 820.32 | Apr. 26 | 819.80 | July 10 | 819.43 | Sept. 9 | 820.97 |
| Feb. 11 | 820.18 | May 10 | 820.48 | 24 | 821.12 | Oct. 11 | 820.68 |
| Mar. 11 | 819.82 | 26 | 821.00 | Aug. 11 | 820.89 | Nov. 10 | 820.25 |
| 25 | 819.55 | June 10 | 821.35 | 26 | 820.83 | Dec. 9 | 820.67 |
| Apr. 12 | 819.42 | 25 | 821.55 | | | | |

6N/35-24Q1. C. B. Miller.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|---------|--------|-----------|--------|---------|--------|
| Jan. 11 | 849.15 | Apr. 26 | 844.27 | July 10 b | 841.82 | Sept. 9 | 844.71 |
| Feb. 11 | 846.88 | May 10 | 846.99 | 24 b | 840.58 | Oct. 11 | 847.08 |
| Mar. 11 | 845.49 | 26 b | 842.07 | Aug. 11 b | 831.44 | Nov. 10 | 847.33 |
| 25 | 845.54 | June 10 | 851.33 | 26 | 844.12 | Dec. 9 | 850.61 |
| Apr. 12 | 844.19 | 25 | 851.02 | | | | |

6N/35-26C2. Boerstler Estate.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|---------|--------|-----------|--------|---------|--------|
| Jan. 11 | 845.53 | Apr. 26 | 838.37 | July 10 b | 849.53 | Sept. 9 | 850.63 |
| Feb. 11 | 841.49 | May 10 | 850.71 | 24 b | 840.49 | Oct. 11 | 847.64 |
| Mar. 11 | 838.82 | 26 | 853.70 | Aug. 11 b | 839.54 | Nov. 10 | 843.68 |
| 24 | 838.62 | June 10 | 854.16 | 26 | 846.75 | Dec. 9 | 843.32 |
| Apr. 12 | 839.87 | 25 | 854.41 | | | | |

a Flowing.

b Pumping.

Umatilla County--Continued.

6N/35-26Pl. O. K. Goodman. Corrected water levels, 1940: Mar. 23 to April 21, dry; Aug. 15, 865.97 feet. Except as indicated by footnote, levels are from float-gage readings by owner.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|-------------|-------------|--------|-------------|---------|-------------|------------|-------------|
| Jan. 1- | | June 5 | 877.86 | July 19 | 868.35 | Aug. 30 | 870.19 |
| Apr. 12 (a) | | 7 | 879.77 | 21 | 867.19 | Sept. 1 | 868.28 |
| Apr. 26 | 865.68 | 9 | 878.19 | 23 | 866.31 | 3 | 870.56 |
| 26 b | 865.41 | 10 b | 877.48 | 24 b | 865.95 | 5 | 871.97 |
| 28 | 866.16 | 11 | 877.69 | 25 | 865.01 | 7 | 871.41 |
| 30 | 867.07 | 13 | 877.59 | 27 | 865.48 | 9 | 870.95 |
| May 2 | 869.14 | 15 | 879.69 | 29 | 865.54 | 9 b | 870.93 |
| 4 | 871.09 | 17 | 881.04 | 31 | 865.38 | 11 | 871.85 |
| 6 | 875.68 | 19 | 880.72 | Aug. 2 | 866.54 | 13 | 871.81 |
| 8 | 873.97 | 21 | 879.36 | 4 | 865.70 | 15 | 870.45 |
| 10 | 874.29 | 23 | 879.51 | 6 | 866.61 | 17 | 870.24 |
| 10 b | 874.68 | 25 | 880.17 | 8 | 866.71 | 19 | 870.89 |
| 12 | 875.88 | 25 b | 880.21 | 10 | 866.84 | 21 | 869.49 |
| 14 | 876.82 | 27 | 877.94 | 11 b | 866.60 | 23 | 868.09 |
| 16 | 877.37 | 29 | 877.06 | 12 | 866.59 | 25 | 867.01 |
| 18 | 877.56 | July 1 | 878.58 | 14 | 867.04 | 27 | 867.00 |
| 20 | 876.69 | 3 | 877.44 | 16 | 867.32 | 29 | 865.72 |
| 22 | 877.14 | 5 | 876.49 | 18 | 866.86 | Oct. 1 | 864.45 |
| 24 | 878.87 | 7 | 875.54 | 20 | 866.45 | 3 | 864.41 |
| 26 | 879.01 | 9 | 874.78 | 22 | 867.91 | 5 | 864.56 |
| 26 b | 879.04 | 10 b | 874.21 | 24 | 867.83 | 7 | 864.51 |
| 28 | 877.92 | 11 | 873.96 | 26 | 866.28 | 9 | 863.99 |
| 30 | 878.56 | 13 | 872.67 | 26 b | 866.33 | Oct. 10- | |
| June 1 | 879.51 | 15 | 870.96 | 28 | 867.88 | Dec. 9 (a) | |
| 3 | 878.12 | 17 | 869.74 | | | | |

6N/35-28H1. W. J. Rand.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|-----------|--------|-----------|--------|---------|--------|
| Jan. 10 | 817.04 | Apr. 26 | 817.08 | July 10 c | 818.59 | Sept. 9 | 817.62 |
| Feb. 10 | 817.03 | May 10 | 818.09 | 24 | 818.43 | Oct. 9 | 818.36 |
| Mar. 10 | 816.64 | 26 c | 818.26 | Aug. 11 c | 815.18 | Nov. 10 | 817.76 |
| 24 | 816.56 | June 10 c | 819.08 | 25 | 817.01 | Dec. 9 | 817.29 |
| Apr. 10 | 817.38 | 25 | 819.54 | | | | |

6N/35-28N1. Lottie McKnight.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| Jan. 10 | 793.95 | Apr. 26 | 802.73 | July 10 | 808.46 | Sept. 9 | 799.58 |
| Feb. 10 | 793.41 | May 10 | 802.99 | 24 | 805.15 | Oct. 9 | 804.50 |
| Mar. 10 | 793.58 | 26 | 802.50 | Aug. 11 | 799.17 | Nov. 10 | 803.03 |
| 24 | 794.17 | June 10 | 808.78 | 25 | 798.03 | Dec. 9 | 798.21 |
| Apr. 10 | 800.37 | 25 | 810.79 | | | | |

6N/35-30M1. S. E. Givens.

Water level, in feet above mean sea level, 1941

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| Jan. 10 | 662.72 | Apr. 26 | 664.02 | July 10 | 674.79 | Sept. 9 | 663.68 |
| Feb. 10 | 661.64 | May 10 | 664.71 | 24 | 673.90 | Oct. 9 | 664.77 |
| Mar. 10 | 661.17 | 26 | 668.00 | Aug. 11 | 669.04 | Nov. 10 | 668.81 |
| 24 | 662.38 | June 10 | 673.69 | 25 | 665.74 | Dec. 9 | 672.15 |
| Apr. 10 | 662.02 | 25 | 675.02 | | | | |

a Dry.

b Tape measurement by J. M. Spencer, watermaster, District 5.

c Pumping.

Umatilla County--Continued.

6N/35-34C1. Alpha Reese.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|-----------|-------------|---------|-------------|
| Jan. 10 | 835.27 | Apr. 26 | 841.39 | July 10 | 852.75 | Sept. 9 | 846.83 |
| Feb. 10 | 833.89 | May 10 | 854.29 | 24 a | 837.57 | Oct. 9 | 851.83 |
| Mar. 10 | 831.80 | 26 | 862.21 | Aug. 11 a | 833.67 | Nov. 10 | 833.84 |
| 24 | 830.51 | June 10 | 863.76 | 25 a | 835.74 | Dec. 9 | 832.87 |
| Apr. 10 | 834.56 | 25 | 861.80 | | | | |

6N/35-36C1. Redfern.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 11 | (b) | Apr. 26 | 886.17 | July 10 | 891.48 | Sept. 9 | 887.13 |
| Feb. 11 | (b) | May 10 | 894.52 | 24 | 885.92 | Oct. 11 | (b) |
| Mar. 11 | (b) | 26 | 893.51 | Aug. 11 | 888.26 | Nov. 10 | (b) |
| 25 | (b) | June 10 | 903.28 | 26 | 887.35 | Dec. 9 | 892.58 |
| Apr. 12 | (b) | 25 | 892.97 | | | | |

6N/35-36H1. Walter Hermann. Correction for 1939: From Apr. 20 to May 11 add 100.00 feet to each water level. Except as indicated by footnote, levels are from float-gage readings by owner.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|-----------|-------------|----------|-------------|-----------|-------------|-----------|-------------|
| Jan. 7 | 890.84 | May 10 c | 901.86 | July 10 c | 906.28 | Nov. 10 c | 890.13 |
| 11 c | 890.27 | 12 | 902.68 | 23 | 901.32 | 12 | 890.07 |
| 18 | 889.48 | 16 | 903.43 | 24 | 900.93 | 14 | 889.88 |
| 22 | 889.32 | 17 | 903.36 | 31 | 899.62 | 16 | 889.81 |
| 29 | 889.20 | 19 | 903.16 | Aug. 5 | 899.47 | 17 | 889.77 |
| Feb. 11 c | 888.52 | 23 | 903.9 | 11 c | 899.48 | 21 | 889.97 |
| Mar. 11 c | 887.07 | 26 c | 903.60 | 21 | 898.34 | 24 | 890.66 |
| 25 | (b) | 28 | 903.62 | 25 | 899.20 | 25 | 890.86 |
| Apr. 11 | 887.0 | 29 | 903.79 | 26 c | 899.53 | 28 | 891.46 |
| 12 c | 887.40 | 31 | 904.14 | Sept. 6 | 900.66 | 30 | 891.79 |
| 15 | 888.2 | June 2 | 904.56 | 9 c | 899.11 | 9 c | 893.39 |
| 20 | 890.4 | 7 | 904.04 | 18 | 896.12 | 14 | 893.62 |
| 22 | 891.0 | 10 c | 903.99 | 30 | 894.76 | 17 | 893.23 |
| 26 c | 891.88 | 11 | 904.10 | Oct. 11 c | 893.48 | 19 | 892.94 |
| 30 | 892.93 | 13 | 905.86 | 13 | 893.14 | 21 | 892.82 |
| May 1 | 893.14 | 16 | 908.42 | 22 | 891.66 | 23 | 893.01 |
| 4 | 894.83 | 25 | 906.62 | 26 | 890.88 | 26 | 894.04 |
| 7 | 898.03 | 25 c | 906.59 | 30 | 890.47 | 27 | 894.42 |
| 8 | 899.62 | 29 | 906.34 | Nov. 3 | 890.51 | 30 | 895.30 |
| 10 | 902.68 | July 7 | 906.70 | | | | |

Union County

Grande Ronde Valley

Water levels in Union County are expressed in feet above sea-level datum of 1929.

1/38-17K1. Well dry. Measurements temporarily discontinued.

1/38-17L1. A. F. Furman. Water levels, in feet: Mar. 27, 1941, 2,710.81; June 14, 1941, 2,710.34; Sept. 23, 1941, 2,710.21; Jan. 6, 1942, 2,710.00.

2/38-26F1. Water levels, in feet: Mar. 27, 1941, 2,676.66; June 14, 1941, 2,676.86; Sept. 23, 1941, 2,677.02; Jan. 6, 1942, 2,676.94.

3/38-10B1. Correction: Water level, May 15, 1940, 2,721.34 feet. Water levels, in feet: Mar. 27, 1941, 2,721.48; June 14, 1941, 2,721.57; Sept. 23, 1941, 2,721.29; Jan. 6, 1942, 2,721.56.

3/38-25B1. Water levels, in feet: Mar. 27, 1941, 2,697.42; June 14, 1941, 2,697.94; Sept. 23, 1941, 2,697.69; Jan. 6, 1942, 2,697.64.

a Pumping.

b Dry.

c Tape measurement by J. M. Spencer, watermaster, District 5.

Walla Walla County

6N/35-16B1. Claude Winn.

Water level, in feet above mean sea level, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 10 | 726.53 | Apr. 26 | 725.31 | July 10 | 725.61 | Sept. 9 | 725.73 |
| Feb. 10 | 727.25 | May 10 | 726.29 | 24 | 725.76 | Oct. 11 | 726.67 |
| Mar. 10 | 726.91 | 26 | 726.24 | Aug. 11 | 725.23 | Nov. 10 | 727.36 |
| 24 | 726.72 | June 10 | 726.46 | 25 | 725.19 | Dec. 9 | 727.87 |
| Apr. 10 | 726.44 | 25 | 726.08 | | | | |

Yamhill County

Willamette Valley

196. George Fuller. Artesian well. Water levels, in feet above 1929 sea-level datum: Jan. 2, 1941, 138.80; Mar. 30, 1941, 138.37; June 13, 1941, 135.56; Sept. 27, 1941, 129.33.

UTAH

By W. K. Bach and P. E. Dennis

Systematic ground-water investigations have been in progress in the State of Utah since 1935 by the Federal Geological Survey in cooperation with the State Engineer. A State-wide program of observations of water-level fluctuations is based on periodic measurements with steel tapes and on charts of automatic water-stage recorders. The data thus collected are tabulated and summarized in annual reports beginning with that for 1935. (See Water-Supply Papers 777, 817, 840, 845, 886, and 910.) As time and facilities permit, detailed investigations of individual ground-water areas are made to determine the source, movement, and disposal of the ground water and to show the relation of present development to the maximum economic development that is possible in those areas. During detailed investigations the number of observation wells in a particular area and the frequency of measurements are commonly increased, with the result that the corresponding section of the annual report is greatly expanded. Results of these detailed investigations are published as water-supply papers covering the particular ground-water areas. During 1941 a comprehensive study was made of Tooele Valley, in Tooele County, and considerable work was done on a similar investigation in Escalante Valley in Beaver, Iron, Millard, and Washington Counties.

A number of agencies have made measurements of water levels in 1941 the records of which are not published in this report. Records of measurements by the staff of the State Engineer in observation wells of the State-wide cooperative program are incorporated in this report, with suitable footnotes, but records of their measurements in a large number of other wells, in Cache, Iron, and Utah Counties, are not included. In Salt Lake County, several automatic water-stage recorders were maintained by the Salt Lake City Corporation, and numerous wells were measured. In Wasatch and Summit Counties, wells were measured by the office of the Provo River Water Commissioner and the Federal Bureau of Reclamation. Only the measurements made by these agencies in observation wells of the State-wide cooperative program are included in the following tabulations.

A total of 1,046 wells was included in the State-wide program during 1941, of which 525 were used in the detailed investigations in Tooele and Escalante Valleys. A total of 4,354 periodic measurements was made on these wells. Eighteen wells were equipped with water-level recorders and 11 with pressure recorders throughout all, or nearly all, of the year. In addition, water-stage recorders were maintained on 6 other wells for parts of the year.

Surveys were made by the State Engineer in 1938 and 1939 to determine the quantities of ground water derived from the principal ground-water areas in the State and the use made of this water. A summary of his findings was published in Water-Supply Paper 910, pages 29-30.

The following table shows, by counties and county subdivisions, the total number of observation wells, the number that have been discontinued, the number of automatic water-stage and pressure recorders, and the number of periodic measurements included in this report.

Distribution, by counties, of observation wells in Utah, in 1941

| County | Number of observa- tion wells | | Number of periodic measure- ments | Wells with recording gages | | Part of year |
|-------------------|----------------------------------|-----------------------------|--|-------------------------------|----------|--------------------|
| | During 1941 | Discontinued during year | | Throughout 1941 | | |
| | | | | Float | Pressure | |
| Beaver | | | | | | |
| Beaver Valley | 9 | 0 | 34 | 0 | 0 | 0 |
| Escalante Valley | 141 | 7 | 641 | 1 | 0 | 2 |
| Box Elder | 39 | 5 | 91 | 1 | 0 | 0 |
| Cache | 24 | 1 | 118 | 0 | 1 | 0 |
| Davis | 23 | 4 | 65 | 0 | 2 | 0 |
| Duchesne | 26 | 2 | 26 | 0 | 0 | 0 |
| Garfield | 10 | 0 | 36 | 0 | 0 | 0 |
| Iron | | | | | | |
| Cedar City Valley | 33 | 0 | 75 | 1 | 0 | 0 |
| Escalante Valley | 156 | 5 | 363 | 0 | 0 | 0 |
| Parowan Valley | 23 | 0 | 50 | 1 | 1 | 0 |
| Juab | | | | | | |
| Juab Valley | 10 | 0 | 29 | 0 | 0 | 0 |
| Snake Valley | 7 | 1 | 7 | 0 | 0 | 0 |
| Millard | | | | | | |
| Escalante Valley | 8 | 0 | 10 | 0 | 0 | 0 |
| Pavant Valley | 15 | 1 | 25 | 2 | 0 | 0 |
| Sevier Desert | 17 | 1 | 51 | 0 | 0 | 0 |
| Snake Valley | 8 | 2 | 8 | 0 | 0 | 0 |
| Morgan | 13 | 2 | 39 | 0 | 0 | 0 |
| Plute | 6 | 0 | 15 | 0 | 0 | 0 |
| Rich | 22 | 0 | 130 | 0 | 0 | 0 |
| Salt Lake | 39 | 6 | 453 | 2 | 2 | 1 |
| Sanpete | 31 | 1 | 125 | 0 | 1 | 1 |
| Sevier | 17 | 0 | 33 | 0 | 1 | 0 |
| Summit | 15 | 1 | 76 | 0 | 0 | 1 |

Distribution, by counties, of observation wells in Utah,
in 1941--Continued

| County | Number of observa- tion wells | | Number of periodic measure- ments | Wells with recording gages | | |
|-------------------|----------------------------------|-----------------------------|--|-------------------------------|------------------|--------------------|
| | During 1941 | Discontinued during year | | Throughout 1941 Float | 1941 Pressure | Part of year |
| Tooele | | | | | | |
| Rush Valley | 13 | 0 | 26 | 0 | 0 | 0 |
| Tooele Valley | 206 | 160 | 1,527 | 3 | 0 | 1 |
| Salt Lake Desert | 1 | 0 | 1 | 0 | 0 | 0 |
| Uintah | 11 | 0 | 10 | 0 | 0 | 0 |
| Utah | | | | | | |
| Cedar Valley | 2 | 0 | 4 | 0 | 0 | 0 |
| Goshen Valley | 3 | 0 | 9 | 0 | 0 | 0 |
| Utah Lake Valley | 56 | 5 | 136 | 1 | 3 | 0 |
| Wasatch | 8 | 0 | 51 | 3 | 0 | 0 |
| Washington | | | | | | |
| Escalante Valley | 11 | 0 | 19 | 0 | 0 | 0 |
| Virgin River area | 2 | 0 | 6 | 0 | 0 | 0 |
| Wayne | 3 | 0 | 5 | 0 | 0 | 0 |
| Weber | | | | | | |
| Ogden Valley | 14 | 0 | 12 | 2 | 0 | 0 |
| East Shore area | 24 | 1 | 48 | 1 | 0 | 0 |
| | 1,046 | 205 | 4,354 | 18 | 11 | 6 |

Summary of water-level fluctuations

The year 1941 brought a sharp reversal in the declining trend of water levels in Utah which began in 1939 and continued through 1940. Of 41 ground-water areas listed, 38 showed a net rise and 3 remained practically unchanged as compared to water levels in 1940. The average net increases ranged from 0.1 foot to 5.7 feet. The general upward trend of water levels throughout the State is strikingly shown by a comparison of individual well records. Taking the December measurements as being least affected by pumping and other withdrawals and hence as most nearly representing the true static water levels, it is found that approximately 90 percent of the observation wells in the State showed higher water levels than at a corresponding date in 1940.

In about one-half of the ground-water areas for which records are available since 1935 the average water levels were higher in 1941 than in any of the preceding 5 years. In the other areas the high-water levels of 1937-38 were slightly above those of the past year. Increases were most marked in some of the areas of greatest ground-water development, notably the North Utah Basin, in Utah County, and the South Davis Basin, in Davis County. Some areas that have not been greatly developed also showed marked rises, notably Beaver Valley, in Beaver County, and Juab Valley, in Juab County.

The upward trend of ground-water levels is chiefly the result of the high precipitation which occurred at nearly all Weather Bureau stations in Utah during 1941. Although high precipitation was general, the greatest positive departures from normal occurred in the southeastern part of the State while the normal values were most nearly approached in the north-central part. In a general way this distribution of precipitation is reflected in the net changes in water levels. In the northeastern mountain province Heber Valley, Morgan Valley, Bear Lake Valley, and other areas showed comparatively small rises, whereas in the plateau province Sanpete Valley, the upper Sevier Valley, and other areas showed average rises of several feet.

The six hydrographs shown in accompanying figures are all for wells located along the west front of the Wasatch Range and of the Colorado Plateaus farther south. This narrow, elongated zone--seen almost in its entirety by the traveler on U. S. Highway 91--is the home of about 70 percent of the population of Utah and of a corresponding proportion of agricultural and industrial development. In this area are also located about 70 percent of the wells of the State, and these wells have an estimated yield of between 150,000 and 175,000 acre-feet of water each year, equivalent to an average yield throughout each year between about 135,000,000 and 155,000,000 gallons a day. The 6 wells represented in the diagrams are distributed at intervals of 50 to 100 miles within this zone, the northernmost, in Box Elder County, being about 50 miles from the Idaho State line, and the southernmost about the same distance from the Arizona line.

The graphs collectively give a condensed summary of the water history of the State during the past decade. The precipitation was generally less than normal during the years 1931 to 1935, and was exceptionally low in 1931 and 1934. In the next 3 years the precipitation was normal or slightly above, but 1939 was a dry year, with some parts of the State receiving less precipitation than in the drought year of 1934, and 1940 was not much better. In 1941, the precipitation was greater than normal at all stations, and at all except one it was the greatest during the 13 years of record. The hydrographs indicate the corresponding changes in ground-water storage in the State. The trend of water levels was generally downward during the dry

WATER LEVELS AND ARTESIAN PRESSURE, 1941

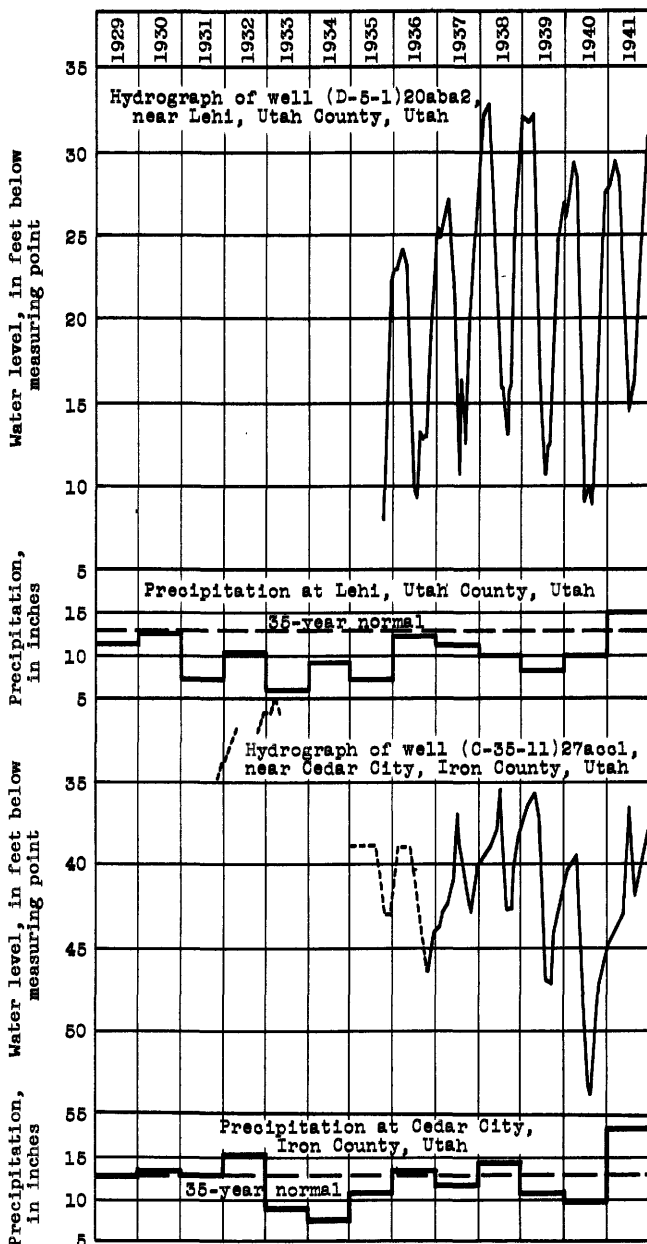


Figure 3.--Graphs showing water levels in wells near Lehi and Cedar City, Utah, and precipitation at nearby stations of the United States Weather Bureau.

years from 1931 to 1935, and the lowest water levels in all 6 wells were recorded in 1935 or 1936. There was a general rise from 1936 to 1938, and then a recession during the two dry years that followed. In 1941 the water levels generally equalled the high levels established in 1938, and in certain areas they exceeded them and were higher than any levels recorded during the period. In the wells in Iron and Millard Counties, in the southern part of the State, however, the highest levels of 1941 were 6 to 8 feet below levels reported in the early 1930's.

The group of graphs gives a fair representation of the common types of water-level fluctuations observed in Utah. The wells in Box Elder and Salt Lake Counties are located in the coarse sediments of alluvial fans, close to the mouths of canyons draining the Wasatch Range. Each year the water level in these wells rises very rapidly during the spring runoff from melting snow, reaches a maximum and declines somewhat more slowly but uninterruptedly until the beginning of the rise the following spring. Thus the ground-water recharge occurs in waves that move quickly down the slope to lower areas. The Juab County well is located in the floor of a small intermontane valley where there is very little ground-water development. The hydrograph represents fluctuations in an area that is believed to be the ultimate recipient of ground-water waves similar to those that move past the wells described above.

The Utah County and Millard County wells are in artesian areas where there is large draft on flowing wells for irrigation. The prominent troughs are caused by reduction of artesian pressure during the irrigation season. Thus the effect of recharge, which presumably occurs in late spring or early summer, is entirely masked by the decline due to draft of irrigation wells.

The Iron County well is in the center of an irrigation pumping district located on the upper part of an alluvial fan, comparable to those upon which the Box Elder and Salt Lake County wells are located. The water level ordinarily rises rapidly during the time of the annual freshet, but this rise is terminated abruptly and followed by an even sharper decline when pumping for irrigation is begun. The minimum water level each year and the duration of the period during which the water remained close to this minimum level are determined largely by the length of the pumping season and the number of pumps operated.

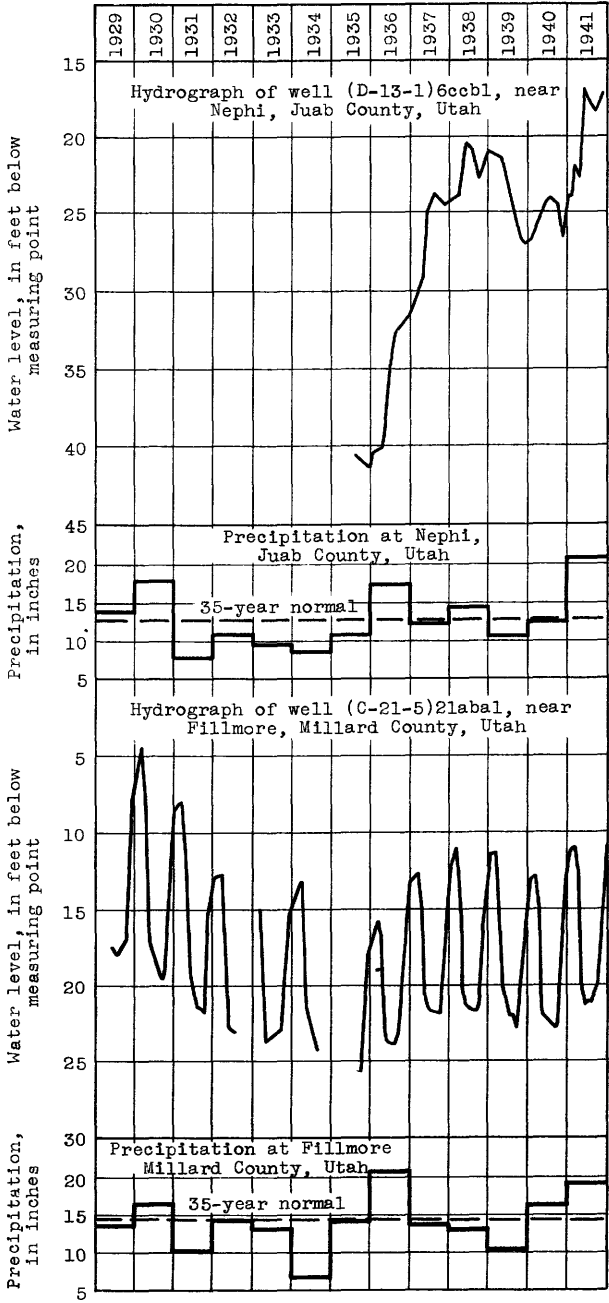


Figure 4.--Graphs showing water levels in wells near Nephi and Fillmore, Utah, and precipitation at nearby stations of the United States Weather Bureau.

The following table shows the net change in water level between December 1940 and December 1941, in selected wells ^{1/} in 41 ground-water areas in the State and the number of observation wells used in the computations. As stated in previous reports, the figures are not intended to represent the average change of water level throughout the ground-water area but are put forth merely as tentative estimates of the general trend in the respective areas. The areas are grouped by counties under the three ground-water provinces in which they occur, ^{2/} beginning with the southernmost counties.

Summary for 1941 of net changes in water level in observation wells in Utah and corresponding precipitation during the year³

| Ground-water area | No. of observ- ation wells | Average net change in group of observa- tion wells (feet) | Precipitation at nearest U.S. Weather Bureau station | | |
|------------------------------|-------------------------------------|--|---|--------------------------------------|---|
| | | | Station | Total precipi- tation (inches) | Departure from normal (inches) |
| SOUTHWESTERN BOLSON PROVINCE | | | | | |
| Iron County: | | | | | |
| Cedar City Valley | 32 | +2.4 | Cedar City | 18.76 | +5.58 |
| Parowan Valley | 12 | + .3 | Parowan | 20.20 | +7.31 |
| Escalante Valley | 23 | + .3 | Modena | 16.28 | +6.14 |
| Beaver County: | | | | | |
| Escalante Valley | 16 | +1.6 | Milford | 13.22 | +4.25 |
| Beaver Valley | 4 | +4.2 | Beaver | 20.43 | +7.65 |
| Millard County: | | | | | |
| Pavant Valley | 12 | + .3 | Fillmore | 19.26 | +4.96 |
| Sevier Desert | 11 | + .3 | Deseret | 11.04 | +2.83 |
| Millard and Juab Counties: | | | | | |
| Snake Valley | 14 | +1.4 | Ibapah | 27.02 | +13.92 |
| Juab County: | | | | | |
| Chicken Creek Valley | 3 | +1.9 | Levan | 22.74 | +7.92 |
| Juab Valley | 6 | +4.1 | Nephi | 20.64 | +7.89 |
| Utah County: | | | | | |
| Utah Lake Valley | | | | | |
| South Utah Basin <u>a/</u> | 8 | +1.5 | Payson | 13.98 | +2.66 |
| North Utah Basin <u>a/</u> | 14 | +5.7 | Utah Lake (Lehi) | 15.21 | +2.14 |
| Goshen Valley | 3 | +2.4 | Elberta | 14.28 | +3.76 |
| Cedar Valley | 2 | +1.6 | | | |

^{1/} Thomas, H. E., and Bach, W. K., Utah, in Water levels and artesian pressure in observation wells in the United States in 1940, pt. 5, Northwestern States: U. S. Geol. Survey Water-Supply Paper 910, p. 31, 1941.

^{2/} Op. cit., pp. 34-35.

^a These units have been defined and tentatively outlined by the State Engineer, pending further detailed study of the respective ground-water areas. See Humpherys, T. H., 22d Biennial Report of the State Engineer of Utah, pp. 122-127, 1940.

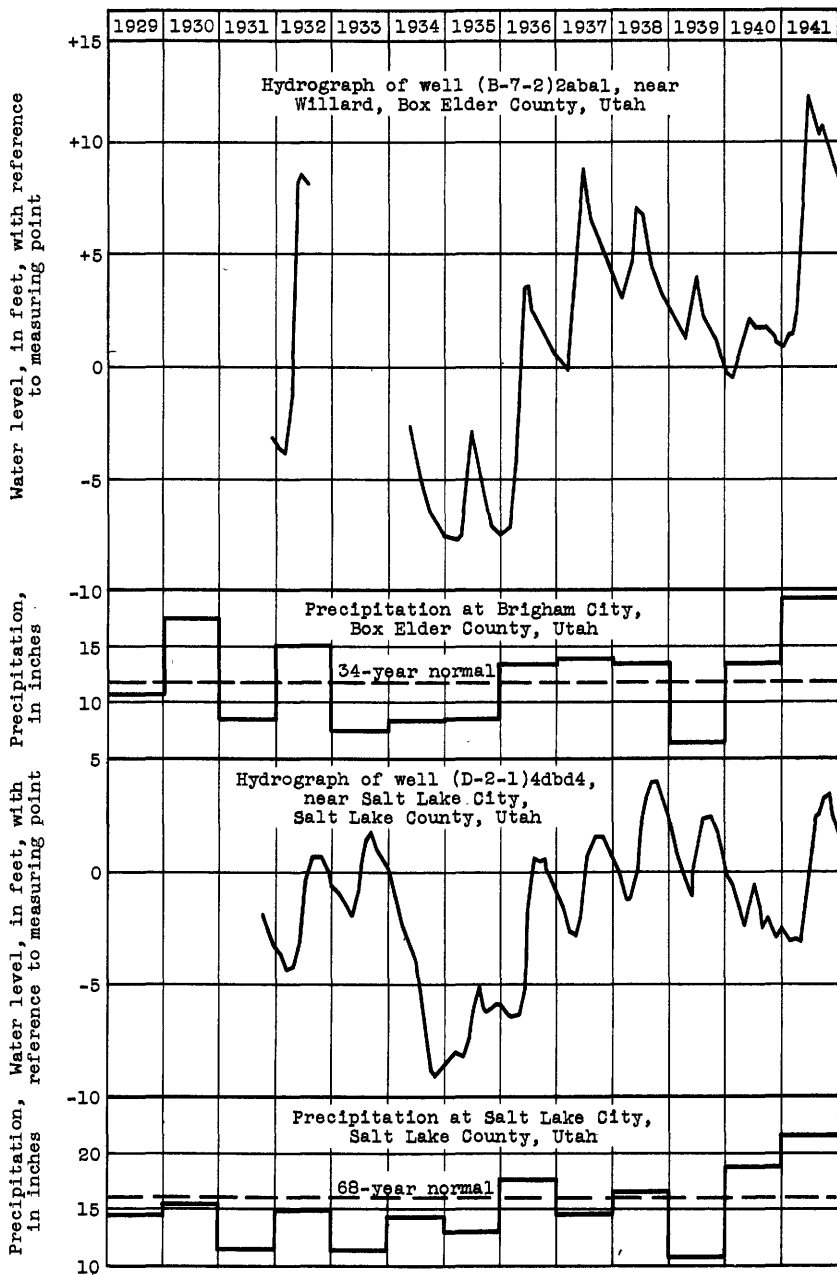


Figure 5.--Graphs showing water levels in wells near Willard and Salt Lake City, Utah, and precipitation at nearby stations of the United States Weather Bureau.

Summary for 1941 of net changes in water level in observation wells in Utah and corresponding precipitation during the year--Continued

| Ground-water area | No. of obser- vation wells | Average net change in group of observa- tion wells (feet) | Precipitation at nearest U.S. Weather Bureau station | | |
|---|----------------------------------|--|---|--------------------------------------|---|
| | | | Station | Total precipi- tation (inches) | Departure from normal (inches) |
| SOUTHWESTERN BOLSON PROVINCE--CONTINUED | | | | | |
| Tooele County: | | | | | |
| Rush Valley | 4 | 0 | Government Creek | 16.94 | +3.79 |
| Tooele Valley | 13 | + .4 | Tooele | 21.12 | +4.14 |
| Grantsville Basin <u>a/</u> | 6 | + .6 | | | |
| Erda Basin <u>a/</u> | 5 | + .3 | | | |
| Salt Lake County: | | | | | |
| Jordan Valley | 33 | +1.4 | Salt Lake City | 21.24 | +5.11 |
| Davis County: | | | | | |
| East Shore area | 20 | +2.7 | Farmington | 26.76 | +6.31 |
| South Davis Basin <u>a/</u> | 10 | +4.1 | | | |
| North Davis Basin <u>a/</u> | 10 | +1.2 | Farmington | 26.76 | +6.31 |
| Weber County: | | | | | |
| East Shore area | 19 | + .7 | Ogden | 29.07 | +11.50 |
| Box Elder County | | | | | |
| East Shore area | 8 | +3.3 | Brigham | 24.13 | +7.16 |
| Lower Bear River Valley | 7 | + .4 | Tremonton | 18.56 | +4.63 |
| West Box Elder area <u>a/</u> | 14 | +2.4 | Park Valley | 17.64 | +7.23 |
| Cache County: | | | | | |
| Cache Valley | 12 | + .7 | Logan | 19.62 | +3.09 |

MONTANA-ARIZONA PLATEAU PROVINCE

| | | | | | |
|-------------------------------|----|------|---------------------------|-------|--------|
| Washington County: | | | | | |
| Virgin River area | 2 | + .1 | Springdale (Zion Park) | 24.96 | +11.39 |
| Garfield and Piute Counties: | | | | | |
| Upper Sevier Valley | 10 | +2.8 | Panguitch | 13.85 | +4.32 |
| Piute and Sevier Counties: | | | | | |
| Grass Valley | 6 | + .3 | | | |
| Wayne County: | | | | | |
| Fremont Valley | 3 | +3.3 | Loa | 12.75 | +5.40 |
| Sevier and Sanpete Counties: | | | | | |
| Central Sevier Valley | 13 | +1.2 | Richfield | 11.29 | +2.93 |
| Sanpete County: | | | | | |
| Sanpete Valley | 18 | +3.8 | Manti | 17.89 | +5.68 |
| Duchesne and Uintah Counties: | | | | | |
| Uinta Basin | 16 | +5.1 | Duchesne | 14.98 | +5.49 |

^a These units have been defined and tentatively outlined by the State Engineer, pending further detailed study of the respective ground-water areas. See Humpherys, T. H., 22d Biennial Report of the State Engineer of Utah, pp. 122-127, 1940.

Summary for 1941 of net changes in water level in observation wells in Utah and corresponding precipitation during the year--Continued

| Ground-water area | No. of obser- vation wells | Average net change in group of observa- tion wells (feet) | Precipitation at nearest U.S. Weather Bureau Station | | |
|----------------------------------|-------------------------------------|--|---|---|---|
| | | | Station | Total precipi- tation (inches) | Departure from normal (inches) |
| NORTHERN ROCKY MOUNTAIN PROVINCE | | | | | |
| Wasatch County: | | | | | |
| Heber Valley | 5 | + .3 | Heber | 13.17 | +1.42 |
| Summit County: | | | | | |
| Rhodes Valley | 10 | + .7 | | | |
| Morgan County: | | | | | |
| Morgan Valley | 10 | + .6 | Morgan | 18.15 | -1.46 |
| Weber County: | | | | | |
| Ogden Valley | 11 | +1.5 | | | |
| Box Elder County: | | | | | |
| Mantua Valley | 2 | 0 | | | |
| Rich County: | | | | | |
| Bear Lake Valley | 12 | 0 | Laketown | 13.33 | + .23 |
| Upper Bear River Valley | 6 | +2.7 | Woodruff | 13.25 | +3.51 |

Table of water-level records

In the following tabulation observation wells are listed alphabetically by counties and numerically within each county.^{3/} The State Claim or application number is that used in the State Engineer's records, the claim numbers being reserved for those wells which were used prior to the passage of the ground-water law in March 1935.^{4/} All altitudes given were determined by instrumental leveling by the staff of the State Engineer, except for some wells in Wasatch County, where altitudes were established by the Federal Bureau of Reclamation. Descriptive data are given only for those wells which have not appeared in earlier publications unless there are corrections or additions. Measurements were made by the Geological Survey except as noted. Artesian wells that were flowing when visited were closed for 10 minutes prior to measurement of the pressure head.

^{3/} For a description of the well numbering system see U. S. Geol. Survey Water-Supply Paper 910, p. 38, 1941.

^{4/} For a compilation of laws relating to ground water in Utah see Humpherys, T. H., Water laws of Utah, 1941.

Beaver County - Beaver Valley

(C-23-7)16aaal. Unused well, diameter 48 inches, depth 74 feet. Measuring point, top of 2 by 4 upright at northeast corner of curb, 2.7 feet above land surface. Water levels, in feet below measuring point, 1941: Sept. 22, 53.37; Nov. 28, 64.72.

(C-23-7)21addl. State claim 9113. E. F. Baldwin. Water levels, in feet below measuring point, 1941: Apr. 29, 31.55; July 14, 26.66, Sept. 22, 25.93; Nov. 28, 23.49.

(C-28-7)21daal. E. F. Baldwin.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|---------|-------------|
| Mar. 25 | 12.21 | July 14 | 12.35 | Nov. 29 | 14.49 |
| Apr. 29 | 15.15 | Sept. 22 | 16.63 | | |

(C-29-7)3cbb1. Harry Hodges.

Water level, in feet below measuring point, 1941

| | | | | | |
|---------|-------|----------|-------|---------|-------|
| Mar. 25 | 18.95 | July 14 | 10.18 | Nov. 28 | 18.77 |
| Apr. 29 | 20.21 | Sept. 22 | 17.77 | | |

(C-29-7)15b. Unused well, diameter 48 inches, depth 34 feet. Measuring point, top of well cover, 0.2 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 22, 23.37; Nov. 28, 31.10.

(C-29-7)17cddl. State claim 6919. Drought Relief Administration. Water levels, in feet below measuring point, 1941: July 14, 0.27; Sept. 22, 6.12; Nov. 28, 16.45.

(C-29-7)28dbdl. (C-29-7)28db in Water-Supply Paper 910. J. A. Nower.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 5 | 17.34 | Mar. 25 | 17.45 | July 28 | 9.0 | Nov. 1 | 11.3 |
| Jan. 28 | 18 | June 27 | 9.2 | Sept. 22 | 10.70 | Nov. 23 | 12.90 |

(C-29-8)25cac1. State claim 13115. Beaver School District. Well flowing prior to measurements. Water levels, in feet above measuring point, 1941: Sept. 22, 9.9; Nov. 28, 9.6.

(C-29-8)30aac1. State claim 8119. Drought Relief Administration. Water levels, in feet below measuring point, 1941: July 14, 18.65; Sept. 22, 19.03; Nov. 28, 19.27.

5/
Beaver County - Escalante Valley

(C-26-10)13cddl. G. A. Hansen. Stock well, depth 35 feet. Measuring point, top of plank of well cover, level with land surface. Water levels, in feet below measuring point, 1941: Nov. 20, 67.05; Dec. 1, 67.05.

(C-26-10)32cad1. State claim 10257. Burton Smithson. Water levels, in feet below measuring point, 1941: Apr. 29, 14.35; Sept. 19, 14.09; Dec. 1, 13.92.

(C-26-10)32cdal. No measurements in 1941.

(C-27-10)6dacl. State claim 7520. J. H. Hedges. Unused irrigation well, diameter 8 inches, depth 100 feet. Measuring point, top of flange, 1.0 foot below land surface. Water levels, in feet below measuring point, 1941: Sept. 27, 25.03; Dec. 2, 24.45.

(C-27-10)18da. Hazel Cannon. Tungsten mill well, diameter 14 inches. depth 80 feet. Measuring point, top of casing, 7.5 feet below land surface. Water levels, in feet below measuring point, 1941: Sept. 23, 17.3; Dec. 2, 6.55.

5/ For other wells in this valley see pages 61 to 70.

a Pumping

Beaver County - Escalante Valley--Continued

(C-27-10)21abb1. (C-27-10)21ab in Water Supply Paper 910. State Claim 11469. John Armstrong and Sons. Water levels, in feet below measuring point, 1941: Apr. 29, 54.97; Sept. 19, 54.85; Dec. 1, 54.93.

(C-27-10)29dbcl. State claim 13113. Milford State Bank. Water level, in feet above measuring point, 1941: Dec. 1, 8.4.

(C-28-10)5daa1. W. J. Burns. Irrigation and stock well, diameter 6 inches. Measuring point, top of ell on casing, 0.7 foot above land surface. Water level, in feet above measuring point, 1941: Dec. 2, a/2.30.

(C-28-10)6abb2. State application 11917. Asa Dixon. Water levels, in feet below measuring point, 1941: Apr. 29, 72.62; Sept. 19, 73.14; Dec. 1, 72.74.

(C-28-10)6ddcl. State claim 13114. Beaver County School District. Water levels, in feet below measuring point, 1941: Apr. 29, 62.90; Sept. 19, 64.44; Dec. 2, 62.61.

(C-28-10)7abb1. State claim 6763. American Telephone and Telegraph Co. Water level, in feet below measuring point, 1941: Sept. 19, 57.95.

(C-28-10)7bdcl. M. M. White. Domestic well, drilled for Civilian Conservation Corps. Measuring point, top of concrete pump base in pit, 3.4 feet below land surface. Water levels, in feet below measuring point, 1941: Sept. 19, 53.35; Dec. 2, 52.61.

(C-28-10)8abcl. State claim 13111. C. G. Clarke. Water levels, in feet above or below measuring point, 1941: Apr. 29, a/+0.47; Sept. 19, -0.40; Dec. 4, a/+0.6.

(C-28-10)8bad1. State claim 13110. Milford State Bank. Irrigation well, diameter 12 inches, depth 60 feet. Measuring point, top of casing, 2.6 feet below land surface and 4,950.72 feet above sea level. Water level, in feet above measuring point, 1941: Dec. 5, 0.57.

(C-28-10)8cacl. State claim 14585. C. G. Clarke. Water levels, in feet below measuring point, 1941: Sept. 19, 2.29; Dec. 5, 0.18.

(C-28-10)8odd1. J. R. Murdock. Water levels, in feet below measuring point, 1941: Apr. 29, 2.42; Sept. 19, 4.82; Dec. 2, 3.06; Dec. 20, 2.39; Dec. 27, 2.37.

(C-28-10)8dbd1. State claim 14586. C. G. Clarke. Water levels, in feet below measuring point, 1941: Sept. 19, 1.86; Dec. 2, 0.40.

(C-28-10)8dcl. Josephine Thompson. Water levels, in feet above measuring point, 1941: Apr. 29, b/5.9; Sept. 19, b/2.33.

(C-28-10)16ddd1. Beaver County. Unused well, diameter 4 inches. Measuring point, top of casing, 1.0 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 19, 69.03; Dec. 3, 69.54.

(C-28-10)17bdal. State application 11764. I. E. Leck. Unused well, diameter 8 inches. Measuring point, top of coupling on casing, 3.0 feet above land surface. Water levels, in feet below measuring point, 1941: Sept. 21, inside casing 7.20, outside casing 8.57; Dec. 3, inside casing 5.46, outside casing 7.40.

(C-28-10)17cccl. State claims 11870 and 17173. Westfall. Water levels, in feet below measuring point, 1941: Apr. 30, 6.24; Sept. 19, c/17.20; Sept. 23, 9.73; Dec. 3, 7.51.

(C-28-10)17cdcl. State claim 1087. Ambrose Bradshaw. Water levels, in feet below measuring point, 1941: Apr. 30, 7.59; Sept. 19, 10.55; Dec. 3, 8.80.

a Found flowing.

b Well flowing prior to measurements.

c Pumping.

Beaver County - Escalante Valley--Continued

(C-28-10)18acal. State claim 1089. Mutual Investment and Finance Co.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|----------|-------------|--------|-------------|
| Jan. 4 | 1.70 | Apr. 30 | 1.23 | Aug. 2 | 1.10 | Nov. 1 | 2.48 |
| Feb. 1 | 2.04 | May 4 | 1.18 | Sept. 6 | 1.34 | Dec. 3 | 1.50 |
| Mar. 1 | 1.70 | June 7 | 1.30 | Sept. 19 | 3.24 | Dec. 6 | 1.47 |
| Apr. 5 | 1.06 | July 5 | .90 | Oct. 4 | 3.10 | | |

(C-28-10)18acd1. State claim 1090. Mutual Investment and Finance Co.

Water levels, in feet below measuring point, 1941: Apr. 30, 1.84; Sept. 19, a/ 22.25; Dec. 3, 2.00.

(C-28-10)19add1. State claim 6564. J. A. Kirk and Sam Cline.

Measuring point since Jan. 4, 1941 is top of nail head in West wall of pit, 4.55 feet above top of casing, 3.3 feet below land surface and 4,969.37 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|--------|------|---------|--------|----------|--------|--------|------|
| Jan. 4 | 2.44 | Apr. 30 | 0.70 | Aug. 2 | a 19.7 | Nov. 1 | 2.70 |
| Feb. 1 | 1.85 | May 4 | a 17.3 | Sept. 6 | a 20.1 | Dec. 3 | 2.04 |
| Mar. 1 | 1.47 | June 7 | a 17.2 | Sept. 19 | 5.93 | Dec. 6 | 1.88 |
| Apr. 5 | 1.10 | July 5 | a 19.8 | Oct. 4 | 4.49 | | |

(C-28-10)19bbc1. State claim 6352. C. I. Martin. Water levels, in feet below measuring point, 1941: Apr. 30, 5.07; Sept. 19, 8.70; Dec. 4, 7.00.

(C-28-10)19ccd1. State claim 3993. C. J. Myers and Ivan McKnight. Water levels, in feet below measuring point, 1941: Apr. 30, 6.38; Sept. 20, 9.39; Dec. 4, 6.41.

(C-28-10)19ddd1. State claim 2041. Chester Haskell. Water levels, in feet below measuring point, 1941: Apr. 30, 4.74; Sept. 19, 8.80; Dec. 3, 5.95.

(C-28-10)20bdd1. State claim 2043. Chester Haskell. Water levels, in feet below measuring point, 1941: Apr. 30, 9.70; Sept. 19, 12.76; Dec. 3, 10.36.

(C-28-10)20ccd1. State claim 2044. Chester Haskell. Water levels, in feet below measuring point, 1941: Apr. 30, 6.70; Sept. 19, 9.66; Dec. 3, 7.75.

(C-28-10)20odd1. State claim 10287. Duluth Land Co. Water levels, in feet below measuring point, 1941: Apr. 29, 14.58; Sept. 19, 13.66; Dec. 3, 13.65.

(C-28-10)21cbb1. State claim 5695. Beaver County. Domestic well, diameter 4 inches, depth 75 feet. Measuring point, top of casing, 2.0 feet below land surface and 4,991.2 feet above mean sea level. Water levels, in feet below measuring point, 1941: Sept. 19, 14.00; Dec. 3, 13.90.

(C-28-10)23caal. C. H. Bryan. Unused well, diameter 4 inches, depth 21 feet. Measuring point, top of casing, 0.3 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 21, 19.10; Dec. 3, 16.60.

(C-28-10)29bcc1. State claim 13803. State of Utah. Water levels, in feet below measuring point, 1941: Apr. 30, 4.74; Sept. 19, 7.79; Dec. 3, 6.11.

(C-28-10)29bdd2. State claim 2531. State of Utah. Water levels, in feet below measuring point, 1941: May 1, 10.06; Sept. 19, 11.94; Dec. 3, 10.08.

a Pumping

Beaver County - Escalante Valley--Continued

(C-28-10)29cccl. State claim 7801. J. H. Weston. Water level, in feet below measuring point, 1941: Dec. 3, 12.20.

(C-28-10)29cdcl. State application 11742. J. E. Hanlon. Measuring point since Nov. 28, 1941, is top of platform, 0.45 foot above top of concrete curb and 0.77 foot above chiseled B.M.

Water level, in feet below measuring point, 1941^{a/}

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|---------|-------------|
| Jan. 4 | 10.54 | Nov. 1 | 10.00 | Dec. 9 | 9.62 | Dec. 21 | 9.30 |
| Feb. 1 | 10.34 | 28 | 10.05 | 10 | 9.59 | 22 | 9.32 |
| Mar. 1 | 10.03 | 29 | 10.05 | 11 | 9.57 | 23 | 9.24 |
| Apr. 5 | 9.89 | 30 | 10.02 | 12 | 9.56 | 24 | 9.18 |
| 30 | 9.66 | Dec. 1 | 9.98 | 13 | 9.55 | 25 | 9.22 |
| May 4 | 9.77 | 2 | 9.93 | 14 | 9.52 | 26 | 9.20 |
| June 7 | 9.67 | 3 | 9.84 | 15 | 9.49 | 27 | 9.22 |
| July 5 | 13.64 | 4 | 9.82 | 16 | 9.47 | 28 | 9.19 |
| Aug. 2 | 13.60 | 5 | 9.81 | 17 | 9.43 | 29 | 9.15 |
| Sept. 6 | 13.60 | 6 | 9.74 | 18 | 9.42 | 30 | 9.13 |
| 19 | 13.80 | 7 | 9.74 | 19 | 9.41 | 31 | 9.07 |
| Oct. 4 | 14.10 | 8 | 9.70 | 20 | 9.33 | | |

(C-28-10)30acd1. State claim 15131. State of Utah.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 8.73 | 8.20 | 7.74 | 7.35 | 7.10 | 7.06 | 7.76 | 9.67 | 10.15 | 10.40 | 9.24 | 6.80 |
| 2 | 8.77 | 8.20 | 7.72 | 7.36 | 7.10 | 6.69 | 8.48 | 9.70 | 10.49 | 10.35 | .... | 6.73 |
| 3 | 8.72 | 8.19 | 7.74 | 7.38 | 7.10 | 6.50 | 8.82 | 9.75 | 10.54 | 10.33 | .... | 6.63 |
| 4 | 8.66 | 8.16 | 7.68 | 7.34 | 7.07 | 6.73 | 9.51 | 9.80 | 10.57 | 10.24 | .... | 6.69 |
| 5 | 8.64 | 8.11 | 7.69 | 7.35 | 7.10 | 7.15 | 9.43 | 9.84 | 10.58 | 10.20 | .... | 6.66 |
| 6 | 8.66 | 8.08 | 7.72 | 7.34 | 7.12 | 6.72 | .... | 9.86 | 10.56 | 10.18 | .... | 6.59 |
| 7 | 8.64 | 8.08 | 7.73 | 7.32 | 7.11 | 6.59 | .... | 10.19 | 10.58 | 10.10 | .... | 6.61 |
| 8 | 8.64 | 8.10 | 7.70 | 7.32 | 7.12 | 6.13 | .... | 10.47 | 10.62 | 10.08 | 9.11 | 6.55 |
| 9 | 8.63 | 8.08 | 7.66 | 7.23 | 7.89 | 6.37 | .... | 10.50 | 10.60 | 10.07 | 9.07 | 6.49 |
| 10 | 8.65 | 8.05 | 7.62 | 7.24 | 8.45 | 6.26 | .... | 10.27 | 10.61 | 10.01 | 9.06 | 6.48 |
| 11 | 8.59 | 7.97 | 7.60 | 7.23 | 8.40 | 6.74 | .... | 10.60 | 10.59 | 9.97 | 9.02 | 6.46 |
| 12 | 8.57 | 8.01 | 7.59 | 7.22 | 7.98 | 7.03 | 9.24 | 10.67 | 10.56 | 9.94 | 8.99 | 6.45 |
| 13 | 8.54 | 8.06 | 7.57 | 7.24 | 8.93 | 7.60 | 9.20 | 10.40 | 10.54 | 9.92 | 9.00 | 6.43 |
| 14 | 8.43 | 8.00 | 7.56 | 7.25 | 9.40 | 7.30 | 9.19 | 10.31 | 10.60 | 9.92 | 8.96 | 6.38 |
| 15 | 8.51 | 8.00 | 7.62 | 7.21 | 9.68 | 8.13 | 9.21 | 10.28 | 10.63 | 9.83 | 8.90 | 6.37 |
| 16 | 8.52 | 8.00 | 7.61 | 7.19 | 9.75 | 7.83 | 9.25 | 10.19 | 10.63 | 9.83 | 8.85 | 6.32 |
| 17 | 8.53 | 7.96 | 7.58 | 7.18 | 9.40 | 8.41 | 9.26 | 10.18 | 10.59 | 9.79 | 8.79 | 6.32 |
| 18 | 8.45 | 7.95 | 7.56 | 7.18 | 9.01 | 8.17 | 9.24 | 10.18 | 10.60 | 9.70 | 8.54 | 6.32 |
| 19 | 8.40 | 7.93 | 7.52 | 7.19 | 8.63 | 8.43 | 9.28 | 10.16 | 10.61 | 9.65 | 8.13 | 6.29 |
| 20 | 8.56 | 7.93 | 7.51 | 7.20 | 8.95 | 8.58 | 9.34 | 10.16 | 10.72 | 9.62 | 7.91 | 6.23 |
| 21 | 8.37 | 7.91 | 7.49 | 7.17 | 9.46 | 8.75 | 9.34 | 10.15 | 10.71 | 9.59 | 7.73 | 6.20 |
| 22 | 8.33 | 7.88 | 7.53 | 7.17 | 9.65 | 8.58 | 9.34 | 10.18 | 10.59 | 9.58 | 7.62 | 6.23 |
| 23 | 8.33 | 7.89 | 7.48 | 7.17 | 9.41 | 8.42 | 9.35 | 10.20 | 10.57 | 9.55 | 7.45 | 6.11 |
| 24 | 8.28 | 7.86 | 7.47 | 7.14 | 9.73 | 7.84 | 9.37 | 10.22 | 10.54 | 9.50 | 7.26 | 6.14 |
| 25 | 8.54 | 7.85 | 7.47 | 7.15 | 9.70 | 8.02 | 9.78 | 10.27 | 10.51 | 9.45 | 7.19 | 6.18 |
| 26 | 8.31 | 7.88 | 7.45 | 7.14 | 9.22 | 9.34 | 9.65 | 10.33 | 10.47 | 9.43 | 7.10 | 6.12 |
| 27 | 8.36 | 7.86 | 7.44 | 7.12 | 8.23 | 8.96 | 9.57 | 10.36 | 10.49 | 9.39 | 7.01 | 6.14 |
| 28 | 8.28 | 7.81 | 7.40 | 7.12 | 8.36 | 7.80 | 9.58 | 10.39 | 10.50 | 9.35 | 6.94 | 6.10 |
| 29 | 8.25 | .... | 7.41 | 7.09 | 8.22 | 7.75 | 9.59 | 10.40 | 10.45 | 9.33 | 6.90 | 6.09 |
| 30 | 8.23 | .... | 7.42 | 7.09 | 8.37 | 7.73 | 9.60 | 10.45 | 10.46 | 9.34 | 6.85 | 6.10 |
| 31 | 8.23 | .... | 7.35 | .... | 7.43 | .... | 9.64 | 10.57 | .... | 9.29 | .... | 6.07 |

^a Beginning Nov. 28, water level at 12:00 noon from recorder charts.

Beaver County - Escalante Valley--Continued

(C-29-10)30cdcl. State claim 4056. State of Utah. Domestic well, diameter 14 inches, depth 54 feet. Measuring point, nail in southeast corner of pit (marked B.M.), 0.8 foot below land surface and 4,993.31 feet above mean sea level.

Water level, in feet below measuring point, 1923-41

| Date | Water level | Date | Water level | Date | Water level |
|-----------|-------------|---------------|-------------|----------------|-------------|
| Apr. 1923 | a 8 | Jan. 27, 1938 | b 15.15 | Sept. 26, 1939 | b 11.80 |
| May 1924 | a 14.6 | June 18 | bd 26.20 | Aug. 12, 1940 | bd 27.4 |
| 1924 | a 11 | Aug. 12 | bd 28.15 | Dec. 4, 1941 | c 11.50 |
| 1929 | a 15 | | | | |

(C-28-10)31addl. State claim 7640. P. B. Fisher. Water levels, in feet below measuring point, 1941: Apr. 30, 12.47; Sept. 19, 15.22; Dec. 3, 11.25.

(C-28-10)31bdd2. State claim 15171. State of Utah. Water levels, in feet below measuring point, 1941: Apr. 30, 13.80; Sept. 19, d25.0; Sept. 22, 18.22; Dec. 3, 14.32.

(C-28-10)31cdd1. State claim 10315. State of Utah. Irrigation well, diameter 14 inches, depth 78 feet. Measuring point, head of nail southwest corner of curb, 0.4 foot below land surface and 5,011.41 feet above mean sea level.

Water level, in feet below measuring point, 1923-41

| | | | | | |
|---------------|---------|---------------|---------|----------------|---------|
| 1923 | a 17.00 | May 23, 1938 | b 17.04 | Sept. 28, 1939 | bd 23.4 |
| Mar. 17, 1935 | e 26.05 | July 12 | b 16.00 | Aug. 15, 1940 | bd 31.4 |
| Feb. 4, 1936 | 27.38 | Aug. 11 | b 16.05 | Sept. 21, 1941 | 22.13 |
| Jan. 29, 1938 | b 20.70 | Aug. 10, 1939 | bd 24.5 | Dec. 3 | 18.42 |

(C-28-10)31ddcl. State claim 10289. Duluth Land Co. Well destroyed. Measurements discontinued.

(C-28-10)32addl. Duluth Land Co. Water level, in feet below measuring point, 1941: Sept. 19, 13.40.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|---------|-------------|
| Nov. 29 | 15.69 | Dec. 7 | 15.75 | Dec. 16 | 15.31 | Dec. 24 | 15.34 |
| 30 | 15.70 | 8 | 15.66 | 17 | 15.33 | 25 | 15.34 |
| Dec. 1 | 15.72 | 9 | 15.46 | 18 | 15.34 | 26 | 15.29 |
| 2 | 15.72 | 10 | 15.34 | 19 | 15.32 | 28 | 15.31 |
| 3 | 15.66 | 11 | 15.27 | 20 | 15.33 | 29 | 15.28 |
| 4 | 15.71 | 13 | 15.30 | 21 | 15.33 | 30 | 15.26 |
| 5 | 15.72 | 14 | 15.30 | 22 | 15.38 | 31 | 15.26 |
| 6 | 15.72 | 15 | 15.31 | 23 | 15.38 | | |

(C-28-10)32bdal. State claim 8757. State of Utah. Water levels, in feet below measuring point, 1941: Sept. 19, 11.30; Dec. 3, 8.95.

(C-28-10)32cccl. State claims 2040 and 3833. State of Utah. Water levels, in feet below measuring point, 1941: Apr. 30, 19.21; Sept. 19, 20.16; Dec. 3, 15.95.

(C-28-10)32cdcl. State claim 1421. Oral Williams. Water levels, in feet below measuring point, 1941: Apr. 30, 18.10; Sept. 21, 18.82.

(C-28-10)32dbcl. State claim 1423. Oral Williams. Water levels, in feet below measuring point, 1941: Sept. 19, d20.9; Dec. 3, 15.22.

a Reported.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

c Measurement after pumping for stock.

d Pumping.

e Measurement by Utah Agricultural Experiment Station.

Beaver County - Escalante Valley--Continued

(C-28-10)33abal. State claim 10281. Duluth Land Co. Measurements discontinued after December 6, 1941.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 18.78 | Apr. 30 | 21.80 | Aug. 2 | 15.05 | Nov. 1 | 13.07 |
| Feb. 1 | 19.39 | May 4 | 22.02 | Sept. 6 | 11.70 | Dec. 3 | 13.77 |
| Mar. 1 | 19.94 | June 7 | 11.60 | 19 | 11.42 | 6 | 12.57 |
| Apr. 5 | 19.76 | July 5 | 14.80 | Oct. 4 | 11.20 | | |

(C-28-11)13dcal. State claim 10324. New Majestic Mining Co. Unused well, diameter 4.5 inches, depth 600 feet. Measuring point, top of ell, level with land surface and 4,971.75 feet above mean sea level.

Water level, in feet above or below measuring point, 1938 to 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|----------------|-------------|
| Jan. 24, 1938 | ab +1.15 | May 12, 1939 | a +0.45 | Sept. 21, 1941 | -2.44 |
| Dec. 17 | a +.77 | Aug. 17, | b -3.20 | Dec. 2 | a +.50 |

(C-28-11)13dca2. New Majestic Mining Co. Unused well, diameter 6 inches. Measuring point, top of casing, 0.8 foot above land surface. Water levels, in feet below measuring point, 1938 to 1941: Dec. 17, 1938, 0.03; May 12, 1939, 0.36; Sept. 21, 1941, 2.74; Dec. 2, 0.25. All measurements after (C-28-11)13dcal had been closed 10 minutes.

(C-28-11)22dabl. Houston and Goff. Stock well, diameter 8 inches. Measuring point, top of casing, 0.8 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 21, 34.08; Dec. 2, 33.68.

(C-28-11)23aabl. Beaver County. Stock well, diameter 14 inches. Measuring point, top of casing, 1.0 foot above land surface.

Water levels, in feet below measuring point, 1941

| | | | | | |
|----------|-------|--------|---------|---------|-------|
| May 1 | 22.60 | Dec. 2 | c 23.67 | Dec. 27 | 23.07 |
| Sept. 24 | 24.00 | 22 | 23.48 | | |

(C-28-11)24daal. State claim 11221. State of Utah.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|----------|-------------|--------|-------------|
| Jan. 4 | 5.06 | May 4 | 3.36 | Aug. 2 d | 26.9 | Dec. 4 | 4.72 |
| Feb. 1 | 4.67 | June 7 d | 9.3 | Sept. 19 | 6.74 | 6 | 4.67 |
| Mar. 1 | 4.00 | July 5 d | 10.0 | Oct. 4 | 6.10 | 20 | 4.18 |
| Apr. 12 | 3.32 | 12 | 5.43 | Nov. 1 | 5.38 | 27 | 4.05 |
| 30 | 3.38 | | | | | | |

(C-28-11)25abd1. State claim 10323. Pacific Bond and Mortgage Co. Water levels, in feet below measuring point, 1941: Apr. 30, 4.52; Sept. 19, 7.45; Dec. 4, 6.00.

(C-28-11)25ddd1. State claim 3392. Kent Smith. Irrigation and domestic well, diameter 14 inches, depth 73 feet. Measuring point, top of iron base of hand pump, 0.7 foot above land surface and 4,989.72 feet above mean sea level.

Water level, in feet below measuring point, 1924-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|----------------|-------------|
| Apr. 15, 1924 | e 7 | May 31, 1938 | bc 24.85 | Sept. 26, 1939 | b 19.82 |
| Feb. 1930 | e 17 | July 26 | bc 26.27 | Aug. 12, 1940 | bc 24.15 |
| Mar. 17, 1935 | e 14 | Aug. 10 | bc 26.05 | Dec. 4, 1941 | 9.75 |

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

c Pumping.

d Pump operating in well.

e Reported.

Beaver County - Escalante Valley--Continued

(C-28-11)26dcdl. Jefferson Mercantile Co. Unused well, diameter 48 inches, depth 8.5 feet. Measuring point, top of wood tie, level with land surface. Water level, in feet below measuring point, 1941: Nov. 21, 1.65.

(C-28-11)26dob1. W. W. Cook. Stock well, diameter 6 inches, depth 6 feet. Measuring point, top of casing, level with land surface. Water level, in feet below measuring point, 1941: Nov. 21, 1.66.

(C-28-11)26ddd1. W. W. Cook. Unused well, diameter 16 inches, depth 3 feet. Measuring point, top of curb, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 21, 7.70; Dec. 4, 6.20.

(C-28-11)27cab1. State Building and Loan Association. Unused well, diameter 14 inches. Measuring point, top of wood curb, level with land surface. Water levels, in feet below measuring point, 1941: July 16, 34.64; Sept. 20, 35.16; Dec. 2, 34.95.

(C-28-11)33dacl. Beaver County. Stock well, diameter 4 inches. Measuring point, top of clamp on casing, 1.0 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 20, 2/28.30; Dec. 2, 2/27.70.

(C-28-11)34bbol. State claim 6677. H. M. Hearn. Unused well, diameter 14 inches, depth 68 feet. Measuring point, top of curb, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 20, 25.30; Dec. 2, 24.84.

(C-28-11)34obb1. E. M. Nebeker. Unused well, diameter 14 inches, depth 61 feet. Measuring point, top of cribbing, 0.2 foot above land surface. Water level, in feet below measuring point, 1941: Nov. 20, 18.87.

(C-28-11)35add1. State claim 3. W. H. Hendrickson. Water levels, in feet below measuring point, 1941: Apr. 30, 10.74; Sept. 20, 13.70; Dec. 4, 12.18.

(C-28-11)35ddd1. State claim 3619. State of Utah.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 11.48 | Apr. 30 | 10.07 | Aug. 2 | b 19.6 | Nov. 1 | 12.37 |
| Feb. 1 | 11.93 | May 4 | 10.69 | Sept. 6 | b 20.35 | Dec. 4 | 11.27 |
| Mar. 1 | 11.00 | June 7 | b 19.6 | 20 | b 22 | 20 | 10.90 |
| Apr. 12 | 10.37 | July 5 | b 19.3 | Oct. 4 | 12.90 | | |

(C-28-11)36aad1. State claim 7662. State of Utah.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|-------|---------|-------|--------|-------|
| Jan. 4 | 9.99 | Apr. 30 | 8.26 | Aug. 2 | 10.73 | Nov. 1 | 10.60 |
| Feb. 1 | 9.59 | May 4 | 8.83 | Sept. 6 | 11.43 | Dec. 4 | 9.46 |
| Mar. 1 | 9.04 | June 7 | 9.30 | 19 | 11.75 | 6 | 9.33 |
| Apr. 12 | 8.45 | July 5 | 10.48 | Oct. 4 | 11.38 | | |

(C-28-11)36bbal. State claim 5266. Beaver County.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|------|---------|------|--------|------|
| Jan. 4 | 4.48 | Apr. 30 | 3.93 | Aug. 2 | 5.65 | Nov. 1 | 6.03 |
| Feb. 1 | 4.38 | May 4 | 3.90 | Sept. 6 | 6.80 | Dec. 4 | 5.53 |
| Mar. 1 | 4.70 | June 7 | 4.50 | 20 | 6.94 | 6 | 5.49 |
| Apr. 12 | 4.30 | July 5 | 5.67 | Oct. 4 | 6.72 | | |

(C-28-11)36bdd1. State claim 2. W. H. Hendrickson. Irrigation well, diameter 14 inches, depth 77 feet. Measuring point, top of nail in curbing, 2.0 feet below land surface and 4,991.82 feet above mean sea level.

a Windmill stopped 10 minutes prior to measurement.

b Pumping.

Beaver County - Escalante Valley--Continued

(C-28-11)36bdd1.--Continued

Water level, in feet below measuring point, 1938-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|--------------|-------------|
| June 6, 1938 | ab 20.4 | Sept. 29, 1939 | a 8.89 | Dec. 4, 1941 | 8.50 |
| Aug. 10 | ab 21.6 | 21, 1941 | 9.90 | | |

(C-28-11)36dcd1. State claim 5143. J. C. Whittaker. Water levels, in feet below measuring point, 1941: Apr. 30, 14.28; Sept. 20, 19.32; Dec. 4, 15.25.

(C-28-11)36ddd1. State claim 5296. State of Utah. Irrigation well, diameter 14 inches, depth 60 feet. Measuring point, top of bolt at end of pipe, 3.3 feet above land surface. Water level, in feet below measuring point, 1941: Dec. 4, 16.85.

(C-29-10)5bacl. State claim 6839. Pearl Malstrom. Water levels, in feet below measuring point, 1941: Apr. 30, 23.12; Sept. 19, 29.10; Dec. 3, 20.70.

(C-29-10)5cad1. State claim 10285. Beaver County. Water levels, in feet below measuring point, 1941: Apr. 30, 29.53; Sept. 19, 27.27; Dec. 3, 26.26.

(C-29-10)5cccl. State claim 7641. F. W. Gospill. Water levels, in feet below measuring point, 1941: Apr. 30, 31.57; Sept. 20, 29.47.

(C-29-10)6aad1. State claim 17295. Laura Cates. Measuring point since Jan. 4, 1941 is nail in top of curb, southwest corner, 0.06 foot above bottom of 4 by 6 inch beam and 5,019.63 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 23.82 | Apr. 30 | 23.20 | Aug. 2 | b 28.39 | Nov. 1 | 22.50 |
| Feb. 1 | 23.62 | May 4 | 23.21 | Sept. 6 | b 28.60 | Dec. 3 | 20.41 |
| Mar. 1 | 23.94 | June 7 | b 28.17 | 19 | 23.51 | 6 | 19.90 |
| Apr. 5 | 23.83 | July 5 | b 27 | Oct. 4 | 23.33 | | |

(C-29-10)6dcd1. (C-29-10)6ddcl in Water-Supply Paper 910. State claim 13116. Duluth Land Co.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|--------|-------|--------|-------|---------|-------|--------|-------|
| Jan. 4 | 31.51 | May 4 | 31.79 | Sept. 6 | 28.25 | Dec. 3 | 27.54 |
| Feb. 1 | 31.75 | June 7 | 28.7 | 20 | 30.03 | 6 | 27.50 |
| Mar. 1 | 31.69 | July 5 | 28.3 | Oct. 4 | 30.58 | 20 | 27.22 |
| Apr. 5 | 31.65 | Aug. 2 | 28.5 | Nov. 1 | 29.39 | 27 | 27.19 |
| 30 | 31.73 | | | | | | |

(C-29-10)7bbd1. State claim 15658. S.D. Atkin. Irrigation well, diameter 14 inches, depth 80 feet. Measuring point, nail in southwest corner of pit, 0.8 foot below land surface and 5,029.83 feet above mean sea level.

Water level, in feet below measuring point, 1938-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|----------------|-------------|
| Feb. 7, 1938 | a 29.97 | Aug. 15, 1939 | ab 34.5 | Aug. 14, 1940 | ab 35 |
| May 26 | a 28.10 | Sept. 28 | a 26.89 | Sept. 20, 1941 | 28.36 |
| July 15 | a 24.90 | Apr. 17, 1940 | 27.17 | Dec. 3 | 26.45 |
| Aug. 12 | a 26.14 | | | | |

(C-28-10)7bdal. State claim 13. S. D. Atkin. Irrigation well, diameter 12 inches, depth 80 feet. Measuring point, nail on west side of well curb, 1.5 feet below land surface and 5,035.46 feet above mean sea level. Water levels, in feet below measuring point, 1941: Apr. 17, 31.10; Sept. 20, b/ 39.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Pumping.

Beaver County - Escalante Valley--Continued

(C-29-10)7cddl. State claim 10234. Beaver County.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|----------|-------------|--------|-------------|
| Feb. 1 | 37.77 | Apr. 30 | 37.32 | Sept. 21 | 35.03 | Dec. 3 | 34.80 |
| Mar. 1 | 37.15 | Aug. 2 | 34.69 | Oct. 4 | 35.87 | | |
| Apr. 5 | 37.00 | Sept. 6 | 34.89 | Nov. 1 | 35.69 | | |

(C-29-10)16cccl. G. S. Barclay. Water levels, in feet below measuring point, 1941: Apr. 29, 50.04; July 16, 48.97; Sept. 20, 46.88; Dec. 6, 46.55.

(C-29-10)16dccl. Duluth Land Co. Stock well. Measuring point, top of iron pump base, 2.7 feet above land surface. Water levels, in feet below measuring point, 1941: Sept. 25, 78.70; Dec. 6, 77.85.

(C-29-10)17bddl. State claim 10283. Duluth Land Co. Unused stock well, diameter 4 inches, depth 80 feet. Measuring point, iron base of hand pump, 1.3 feet above land surface. Water level, in feet below measuring point, 1941: Dec. 6, 47.00.

(C-29-10)21bccl. Beaver County. Stock well, diameter 4 inches. Measuring point, top of casing, 1.0 foot above land surface. Water level, in feet below measuring point, 1941: Sept. 25, 77.19.

(C-29-11)1addl. State claim 10290. Duluth Land Co.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|------|---------|------|--------|------|
| Jan. 4 | 5.09 | Apr. 30 | 3.07 | Aug. 2 | 5.41 | Nov. 1 | 4.30 |
| Feb. 1 | 4.80 | May 4 | 4.19 | Sept. 6 | 5.15 | Dec. 4 | 2.96 |
| Mar. 1 | 4.57 | June 7 | 4.75 | 20 | 5.55 | 20 | 2.60 |
| Apr. 12 | 4.43 | July 5 | 4.90 | Oct. 4 | 5.47 | | |

(C-29-11)1cad2. State claim 156. E. A. Hodges. Water levels, in feet below measuring point, 1941: Apr. 30, 19.13; Sept. 20, 20.93; Dec. 5, 19.30.

(C-29-11)2addl. State claim 2561. State of Utah. Irrigation, stock and domestic well, diameter 16 inches, depth 52 feet. Measuring point, nail in center of west wall of curb, level with land surface and 5,003.39 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 4, 14.10

(C-29-11)2addl. State of Utah.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|--------|---------|---------|--------|------|
| Jan. 4 | 2.47 | Apr. 30 | 1.51 | Aug. 2 | a 16.50 | Nov. 2 | 2.69 |
| Feb. 1 | 2.28 | May 4 | 1.59 | Sept. 6 | a 14.24 | Dec. 4 | 2.10 |
| Mar. 1 | 1.55 | June 7 | a 12.1 | 20 | a 14.0 | 6 | 2.21 |
| Apr. 13 | 1.63 | July 5 | a 16.8 | Oct. 4 | 3.59 | | |

(C-29-11)4adbl. State claim 12129. A. P. Lodge.

Water level, in feet below measuring point, 1921, 1938-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|--------------|-------------|
| 1921 | b 6 | Aug. 17, 1939 | c 10.56 | Dec. 2, 1941 | 8.60 |
| Feb. 9, 1938 | c 8.38 | Apr. 18, 1940 | 8.19 | | |
| June 2 | c 9.71 | Sept. 20, 1941 | 9.47 | | |

(C-29-11)4baal. W. H. Child. Industrial well, diameter 48 inches, depth 41 feet. Measuring point, top of well cover, level with land surface. Water level, in feet below measuring point, 1941: Nov. 19, 35.40.

(C-29-11)10cadl. State claim 7643. Jesse Cook. Measuring point since Jan. 4, 1941 is nail in east wall of pump house, 4 feet below land surface, 4.11 feet below top of discharge trough and 4,997.03 feet above mean sea level.

a Pumping

b Reported

c Measurement by Utah State Engineer in cooperation with Works Projects Administration

Beaver County - Escalante Valley--Continued

(C-29-11)10cad1.--Continued.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 5.38 | May 10 | 4.57 | Sept. 6 | 6.17 | Dec. 5 | 5.18 |
| Feb. 1 | 4.71 | June 7 | 5.00 | 20 | 6.54 | | |
| Mar. 1 | 4.65 | July 5 | 5.73 | Oct. 4 | 7.00 | | |
| Apr. 30 | 4.40 | Aug. 2 | 5.93 | Nov. 1 | 5.98 | | |

(C-29-11)11accl. State claim 5771. M. W. Husbands. Measuring point is 5,008.90 feet above mean sea level.

Water level, in feet below measuring point, 1938, 1940-41

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|----------------|-------------|-------|-------------|
| Feb. 3, 1938 | a 14.84 | Apr. 18, 1940 | 13.63 | Sept. 20, 1941 | b 30 | | |
| June 3 | ab 15.75 | 30, 1941 | 13.12 | Dec. 4 | | 13.82 | |
| July 20 | ab 16.78 | | | | | | |

(C-29-11)11cdcl. State claim 7540. Preston Davis.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 19.03 | May 4 | 18.74 | Sept. 6 | 20.36 | Dec. 3 | 18.90 |
| Feb. 1 | 18.11 | June 7 | 19.02 | 20 | 20.13 | 20 | 18.73 |
| Mar. 1 | 18.73 | July 5 | 21.20 | Oct. 4 | 22.58 | | |
| Apr. 30 | 18.53 | Aug. 2 | 20.32 | Nov. 1 | 19.09 | | |

(C-29-11)11ddcl. State claim 1169. Gertrude Cook. Water level, in feet below measuring point, 1941: Apr. 30, 21.55.

(C-29-11)11ddcl. State claim 1168. Gertrude Cook. Irrigation well, diameter 18 inches, depth 83 feet. Measuring point, bottom of south rail, level with land surface and 5,018.35 feet above mean sea level.

Water level, in feet below measuring point, 1926, 1929, 1932, 1937-41

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|----------------|-------------|------|-------------|
| 1926 | c 16 | Feb. 4, 1938 | a 18.94 | Sept. 30, 1939 | ab 30.6 | | |
| 1929 | c 18 | June 13 | ab 30.7 | Aug. 15, 1940 | ab 30.2 | | |
| Mar. 27, 1932 | c 18.0 | July 15 | ab 30.8 | Dec. 3, 1941 | 16.88 | | |
| Dec. 2, 1937 | 19.72 | Aug. 9 | ab 31.4 | | | | |

(C-29-11)13ccal. Victor Carlson. Water levels, in feet below measuring point, 1941: Sept. 20, 31.51; Dec. 5, 30.54.

(C-29-11)14add1. State claim 1167. Gertrude Cook.

Water level, in feet below measuring point, 1922, 1929, 1938-41

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|----------------|-------------|------|-------------|
| 1922 | c 10 | July 31, 1938 | a 24.39 | Sept. 20, 1941 | 25.53 | | |
| 1929 | c 14 | Aug. 9 | a 24.84 | Dec. 5 | 23.62 | | |
| Feb. 7, 1938 | a 24.08 | Aug. 16, 1939 | a 26.30 | | | | |
| June 8 | a 24.10 | Apr. 18, 1940 | 24.10 | | | | |

(C-29-11)15abd1. Howard Cook. Water levels, in feet below measuring point, 1941: Apr. 30, 11.53; Sept. 20, 12.80; Dec. 3, 11.80.

(C-29-11)15cbd1. Beaver County. Unused well, diameter 42 inches, depth 7 feet. Measuring point, top of casing, 0.5 foot below land surface. Water levels, in feet below measuring point, 1941: Sept. 23, 6.70; Dec. 3, 5.67.

(C-29-11)17aa. Beaver County. Unused well, diameter 48 inches, depth 14 feet. Measuring point, top of curb, 0.5 foot above land surface. Water level, in feet below measuring point, 1941: Nov. 19, 14.15.

(C-29-11)19cad1. (C-29-11)20ccc in Water-Supply Paper 910. Walter Cook. Water levels, in feet below measuring point, 1941: May 1, 46.40; Sept. 20, d/ 47.20; Dec. 5, d/ 46.75.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Pumping.

c Reported.

d Windmill stopped 10 minutes prior to measurements.

Beaver County - Escalante Valley--Continued

(C-29-11)20dcd1. Public Land. Water levels, in feet below measuring point, 1941: May 1, 2.35; Sept. 20, 4.28; Dec. 5, 2.70.

(C-29-11)21ddd1. State claim 8974. Claude Thompson.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 20.30 | May 1 | 20.04 | Aug. 2 | 20.66 | Nov. 1 | 20.30 |
| Feb. 1 | 20.18 | 10 | 22.21 | Sept. 6 | 20.80 | Dec. 3 | 20.38 |
| Mar. 1 | 20.30 | June 7 | 19.60 | 20 | 20.86 | 6 | 20.38 |
| Apr. 13 | 20.07 | July 5 | 20.30 | Oct. 4 | 20.98 | | |

(C-29-11)22add1. State claim 17158. P. V. Haworth.

Water level, in feet below measuring point, 1938-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|----------------|-------------|
| Feb. 8, 1938 | a 22.44 | Sept. 30, 1939 | a 21.33 | Sept. 20, 1941 | 21.76 |
| June 9 | ab 31.4 | Apr. 18, 1940 | 21.05 | Dec. 3 | 21.58 |
| July 21 | ab 32.8 | Aug. 15 | ab 31.2 | | |
| Aug. 8 | ab 30.9 | May 1, 1941 | 20.82 | | |

(C-29-11)22ddd1. State claim 10667. P. V. Haworth.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 26.85 | Apr. 30 | 26.58 | Aug. 2 | 27.26 | Nov. 1 | 26.86 |
| Feb. 1 | 26.99 | May 10 | 26.74 | Sept. 6 | 27.56 | Dec. 3 | 26.72 |
| Mar. 1 | 26.73 | June 7 | 26.60 | 20 | 27.20 | 6 | 26.73 |
| Apr. 13 | 26.65 | July 5 | 27.20 | Oct. 5 | 26.96 | | |

(C-29-11)23bcd1. I. E. Leck.

Water level, in feet below measuring point, 1921, 1938, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|----------------|-------------|
| 1921 | c 22 | Apr. 18, 1940 | 27.18 | Sept. 20, 1941 | 26.10 |
| Aug. 9, 1938 | a 28.70 | May 1, 1941 | 26.89 | Dec. 3 | 26.82 |

(C-29-11)27bdd1. State claim 2617. Ruth Breslin. No measurements in 1941. Measurements discontinued.

(C-29-11)27dcb1. State claim 2620. Public Land.

Water level, in feet below measuring point, 1938, 1940-41

| | | | | | |
|--------------|---------|---------------|---------|----------------|-------|
| Feb. 9, 1938 | a 29.30 | Apr. 18, 1940 | 28.86 | Sept. 20, 1941 | 29.07 |
| June 8 | a 30.00 | Aug. 16 | a 37.45 | Dec. 3 | 28.76 |
| Aug. 8 | a 30.60 | Apr. 30, 1941 | 28.72 | | |

(C-29-11)29adal. Public Land.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Jan. 4 | 15.22 | May 1 | 14.60 | Aug. 2 | 16.08 | Nov. 1 | 16.05 |
| Feb. 1 | 14.98 | 10 | 14.64 | Sept. 6 | 16.30 | Dec. 3 | 15.13 |
| Mar. 1 | 14.93 | June 7 | 14.55 | 20 | 16.07 | 6 | 15.14 |
| Apr. 13 | 14.75 | July 5 | 14.85 | Oct. 4 | 16.20 | | |

(C-29-11)29ddd1. State claim 7161. Sam Cline and Geo. Jefferson. Water levels, in feet below measuring point, 1938 and 1941: June 10, 1938, a/ 16.00; Sept. 22, 1941, 16.64; Dec. 3, 16.12.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Pumping.

c Reported.

Beaver County - Escalante Valley--Continued

(C-29-11)35accl. Public Land. Water levels, in feet below measuring point, 1941: Apr. 30, 50.71; Sept. 21, 50.88; Dec. 5, 50.72.

(C-29-11)35bcdl. Public Land. Water levels, in feet below measuring point, 1941: Apr. 30, 4.22; Sept. 21, 4.37; Dec. 5, 4.94.

(C-30-10)11cbdl. Abraham Wood. Stock well, diameter 4 inches, depth 172 feet. Measuring point, top of pump base, 2.0 feet above land surface. Water levels, in feet below measuring point, 1940 and 1941: Apr. 19, 1940, 144.20; Apr. 29, 1941, 147.15; Dec. 5, 136.50.

(C-30-10)12cdal. T. L. Gray. Water levels, in feet below measuring point, 1941: Apr. 29, 32.08; July 14, 29.05; Sept. 22, 29.06; Dec. 5, 30.50.

(C-30-11)4cddl. (C-30-11)4dccl in Water-Supply Paper 910. Public Land. Water levels, in feet below measuring point, 1941: May 1, 27.70; Sept. 21, 27.94; Dec. 3, 27.91.

(C-30-11)6dccl. Public Land. Water levels, in feet below measuring point, 1941: May 1, 8.20; Sept. 21, 7.90.

(C-30-11)8ad. Public Land. Unused well, diameter 12 inches, depth 100 feet. Measuring point, top of curb, 0.3 foot below land surface. Water levels, in feet below measuring point, 1940 and 1941: Apr. 18, 1940, 27.57; May 1, 1941, 27.45; Sept. 21, 27.79.

(C-30-11)8ddcl. Public Land. Unused well, depth 78 feet. Measuring point, top of casing, 2.0 feet below land surface. Water levels, in feet below measuring point: Apr. 18, 1940, 25.74; May 1, 1941, 25.67; Sept. 21, 25.93.

(C-30-11)9acbl. Unused well, diameter 14 inches. Measuring point, top of sill, level with land surface. Water level, in feet below measuring point, 1941: Sept. 21, 31.14.

(C-30-11)11caal. Abram Generaux. Water levels, in feet below measuring point, 1941: Apr. 30, 42.91; Sept. 21, 42.90.

(C-30-11)18d. Public Land. Unused well, diameter 43 inches, depth 23 feet. Measuring point, top of center cross beam, 1.0 foot below land surface. Water level, in feet below measuring point, 1941: Nov. 21, 21.85.

(C-30-11)23ba. Beaver County. Unused well, diameter 15 inches, depth 92 feet. Measuring point, top of curb, level with land surface. Water levels, in feet below measuring point: Apr. 20, 1940, 46.51; Apr. 30, 1941, 46.34; Sept. 21, 46.31.

(C-30-12)3ddal. R. B. Norris. Water levels, in feet below measuring point, 1941: May 1, 45.45; Sept. 20, 45.17; Sept. 21, 45.29; Dec. 9, 45.07.

(C-30-12)4addl. T. J. Norris. Water levels, in feet below measuring point, 1941: May 2, 111.53; Sept. 20, 111.47; Dec. 9, 111.46.

(C-30-12)9daal. Public Land. Water levels, in feet below measuring point, 1941: May 1, 30.40; Sept. 21, 30.67; Dec. 9, 30.61.

(C-30-12)10aaal. No measurements in 1941.

(C-30-12)10abbl. C. S. Hammond. Water levels, in feet below measuring point, 1941: Sept. 21, 38.60; Dec. 9, 38.69.

(C-30-12)11bbbl. D. L. Barnes. Water levels, in feet below measuring point, 1941: May 1, 31.82; Sept. 21, 31.95; Dec. 9, 32.10.

(C-30-12)12bbbl. Beaver County. Water levels, in feet below measuring point, 1941: May 1, 16.53; Sept. 21, 16.90; Dec. 9, 16.24.

(C-30-12)13cbcl. Beaver County. Water levels, in feet below measuring point, 1941: May 1, 9.15; Sept. 21, 10.28.

(C-30-12)20aaal. R. C. McCarter. Unused well, diameter 36 inches, depth 47 feet. Measuring point, top of curb, level with land surface. Water levels, in feet below measuring point, 1941: Nov. 19, 44.77; Dec. 9, 44.08.

a Windmill stopped 10 minutes prior to measurement.

Beaver County - Escalante Valley--Continued

(C-30-12)22aad1. Public Land. Water levels, in feet below measuring point, 1941: May 1, 6.63; Sept. 21, 7.70.

(C-30-12)28bac1. Public Land. No measurements in 1941. Measurements discontinued.

(C-30-12)28dab1. Public Land. Water levels, in feet below measuring point, 1941: May 1, 3.46; Sept. 21, dry at 5.0.

(C-30-12)29dda1. Public Land. No measurements in 1941.

(C-30-12)31cab2. State claim 13455. Corine Dibkey. Water levels, in feet below measuring point, 1941: May 1, 17.03; Sept. 21, 17.45; Dec. 9, 17.27.

(C-30-12)33bbd1. No measurements in 1941.

(C-30-13)13ddd1. M. S. Marsden. No measurements in 1941. Measurements discontinued.

(C-30-13)20ddb1. (C-30-13)20dda in Water-Supply Paper 910. O. M. Couch. Water levels, in feet below measuring point, 1941: Sept. 24, 106.83; Dec. 9, 105.89.

(C-30-13)21ddd1. M. S. Marsden. Water levels, in feet below measuring point, 1941: Sept. 24, 91.40; Dec. 9, 84.49.

(C-30-13)22ddd1. State claim 13674. Public Land. Water levels, in feet below measuring point, 1941: May 1, 61.10; Sept. 24, 59.40; Dec. 9, 60.42.

(C-30-13)25abb1. State claim 12123. W. M. White. Stock and domestic well, diameter 12 inches, depth 64 feet. Measuring point, top of 6-inch beam of well cover, 0.3 foot above land surface, and 5,072.56 feet above sea level.

Water level, in feet below measuring point, 1933, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|-------------|-------------|--------------|-------------|
| June 13, 1933 | a 37.0 | May 1, 1941 | 35.09 | Dec. 8, 1941 | b 35.30 |
| Apr. 19, 1940 | 36.94 | Sept. 24 | 35.25 | | |

(C-30-13)25ddd1. Beaver County. Unused well, diameter 12 inches. Measuring point, top of casing, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 24, 7.70; Dec. 8, 6.61.

(C-30-13)27dcc1. Well (C-30-13)34ba in Water-Supply Paper 910. C. O. Harris. Water levels, in feet below measuring point, 1941: Sept. 24, 35.28; Dec. 9, 34.91.

(C-30-13)29dcc1. C. D. Vaughn. Unused well, diameter 12 inches. Measuring point, top of casing, 0.5 foot above land surface.

Water level, in feet below measuring point, 1938, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|-------------|-------------|--------------|-------------|
| July 7, 1938 | a 56.7 | May 1, 1941 | 56.45 | Dec. 8, 1941 | 56.47 |
| Apr. 19, 1940 | 60.12 | Sept. 24 | 56.50 | | |

(C-30-13)30dcc1. Beaver County. Stock well, diameter 42 inches. Measuring point, top of tie which supports pump, 0.5 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 24, 59.37; Dec. 8, 59.34.

(C-30-13)33abb1. J. F. Dinwiddie. Stock and domestic well, diameter 12 inches, depth 90 feet. Measuring point, top of casing, 0.6 foot above land surface and 5,091.26 feet above mean sea level. Water levels, in feet below measuring point: Apr. 19, 1940, c/ 50.35; May 1, 1941, 48.90; Sept. 24, 49.10; Dec. 8, 49.12.

(C-30-13)34bab1. (C-30-13)27cd in Water-Supply Paper 910. J. F. Dinwiddie. Water levels, in feet below measuring point, 1941: Sept. 24, 44.82; Dec. 8, 44.72.

(C-30-13)34bbb1. J. F. Dinwiddie. Measuring point is 5,087.33 feet above sea level. Water levels, in feet below measuring point, 1941: May 1, 45.72; Sept. 24, 45.85; Dec. 8, 45.87.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Windmill shut off 10 minutes.

c Pumping.

Box Elder County

(B-7-2)2abal. State claim 11922. Earl Lemon.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 27 | 1.60 | Apr. 27 | 7.79 | Aug. 23 | 8.95 | Oct. 30 | 9.41 |
| Feb. 6 | 1.74 | May 27 | 12.27 | 30 | 10.75 | Dec. 2 | 8.52 |
| Mar. 12 | 1.54 | June 26 | 11.65 | Sept. 30 | 10.16 | 11 | 8.25 |
| 25 | 3.72 | July 25 | 10.42 | | | | |

(B-7-2)11cdal. State claim 1489. First Savings Bank of Ogden. Water levels, in feet below measuring point, 1941: Mar. 12, 22.26; Oct. 7, 19.10; Dec. 11, 19.15.

(B-8-2)11bdcl. State claim 773. J. A. Ward. Water levels, in feet below measuring point, 1941: Mar. 12, 53.77; Oct. 7, 44.12; Dec. 11, 48.52.

(B-8-2)23cdbl. State claims 1284 and 8126. Willard Water Company. Water levels, in feet below measuring point, 1941: Mar. 12, 41.20; Oct. 7, 37.45; Dec. 11, 38.76.

(B-8-2)26cac1. State claim 99. G. L. Braegger. Water levels, in feet above measuring point, 1941: Mar. 12, a/30.0; Oct. 7, 30.8; Dec. 11, a/31.3.

(B-8-2)35add1. M. C. Marsh.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 26.31 | 26.22 | ..... | 22.56 | 18.95 | 17.23 | 18.18 | ..... | 20.02 | 20.85 | 21.54 | ..... |
| 2 | ..... | 26.23 | ..... | 22.50 | 18.82 | 17.24 | ..... | ..... | 20.03 | 20.88 | ..... | 21.80 |
| 3 | ..... | 26.13 | ..... | 22.46 | 18.49 | 17.24 | 18.27 | ..... | 20.03 | 20.91 | ..... | 21.77 |
| 4 | ..... | 26.13 | 25.28 | 22.42 | 18.56 | 17.25 | 18.31 | 19.40 | 20.14 | 20.91 | 21.55 | 21.82 |
| 5 | ..... | 26.16 | 25.13 | 22.37 | 18.44 | 17.28 | 18.35 | 19.43 | 20.14 | ..... | 21.58 | 21.85 |
| 6 | ..... | ..... | 25.09 | ..... | 18.33 | 17.29 | 18.39 | 19.46 | 20.16 | ..... | 21.58 | 21.85 |
| 7 | 26.39 | 25.11 | 24.98 | ..... | 18.20 | 17.29 | 18.44 | 19.48 | 20.20 | 21.01 | 21.61 | 21.87 |
| 8 | 26.41 | ..... | 24.85 | 22.20 | 18.09 | 17.32 | 18.46 | 19.51 | 20.23 | 21.03 | 21.60 | ..... |
| 9 | 26.42 | ..... | 24.72 | 22.09 | 17.99 | 17.38 | 18.48 | 19.54 | 20.26 | 21.07 | 21.67 | 21.89 |
| 10 | 26.43 | 26.13 | 24.57 | 21.98 | 17.91 | ..... | 18.52 | 19.62 | 20.28 | 21.10 | 21.65 | 21.91 |
| 11 | 26.43 | 26.15 | 24.42 | 21.87 | 17.83 | ..... | 19.56 | ..... | 20.29 | 21.09 | 21.66 | 21.93 |
| 12 | 26.43 | 26.15 | 24.29 | 21.45 | 17.73 | 17.50 | 19.59 | 19.64 | 20.33 | 21.15 | 21.65 | 21.96 |
| 13 | 26.44 | 26.16 | 24.14 | ..... | 17.64 | 17.52 | 18.64 | 19.67 | 20.35 | 21.16 | 21.65 | 21.98 |
| 14 | 26.41 | 26.07 | 24.00 | ..... | 17.60 | 17.56 | 18.68 | 19.69 | 20.39 | 21.19 | 21.65 | 21.99 |
| 15 | 26.42 | ..... | 23.88 | 21.30 | 17.56 | 17.61 | 18.73 | 19.71 | 20.43 | 21.21 | 21.65 | 22.02 |
| 16 | 26.46 | ..... | 23.76 | 21.15 | 17.52 | 17.64 | 18.78 | 19.72 | 20.46 | 21.22 | ..... | ..... |
| 17 | 26.48 | ..... | 23.64 | 21.01 | 17.44 | 17.67 | 18.81 | 19.74 | 20.48 | 21.24 | 21.66 | 22.06 |
| 18 | ..... | 25.99 | 23.52 | 20.34 | 17.42 | 17.73 | 18.86 | 19.76 | 20.61 | 21.26 | 21.70 | 22.08 |
| 19 | ..... | 25.93 | 23.42 | ..... | 17.30 | 17.73 | 18.90 | ..... | ..... | 21.27 | ..... | 22.10 |
| 20 | ..... | 25.96 | 23.33 | ..... | 17.23 | 17.77 | 18.94 | 19.82 | ..... | 21.38 | ..... | 22.10 |
| 21 | 26.58 | 25.92 | 23.27 | ..... | 17.29 | 17.82 | 18.95 | 19.85 | ..... | 21.31 | ..... | 22.11 |
| 22 | 26.37 | 25.83 | 23.19 | 20.11 | 17.25 | 17.35 | 18.96 | 19.86 | ..... | 21.34 | ..... | 22.15 |
| 23 | 26.34 | 25.84 | 23.12 | 19.96 | 17.23 | 17.33 | 18.93 | 19.86 | ..... | 21.36 | ..... | 22.14 |
| 24 | 26.31 | 25.31 | 23.02 | 19.82 | 17.21 | 17.39 | 19.02 | 19.87 | 20.71 | 21.36 | 21.76 | 22.15 |
| 25 | 26.23 | 25.74 | 23.03 | 19.69 | 17.13 | 17.96 | 19.06 | 19.90 | 20.80 | ..... | 21.77 | 22.18 |
| 26 | 26.25 | 25.72 | 22.97 | 19.57 | 17.15 | 17.97 | 19.09 | 19.92 | 20.81 | ..... | 21.77 | 22.20 |
| 27 | 26.25 | 25.66 | 22.91 | 19.46 | 17.15 | 17.99 | 19.13 | 19.95 | 20.81 | ..... | 21.76 | 22.22 |
| 28 | 26.24 | ..... | 22.85 | 19.35 | 17.16 | 18.05 | 19.17 | 19.98 | ..... | 21.41 | 21.77 | 22.22 |
| 29 | 26.22 | ..... | 22.78 | 19.22 | 17.17 | 18.09 | 19.21 | 19.95 | ..... | 21.44 | 21.80 | 22.22 |
| 30 | 26.21 | ..... | 22.75 | 19.09 | 17.17 | 18.14 | 19.24 | 19.93 | 20.84 | 21.47 | ..... | ..... |
| 31 | 26.22 | ..... | ..... | ..... | 17.21 | ..... | ..... | 20.00 | ..... | 21.43 | ..... | ..... |

(B-9-1)22cccl. (B-9-1)22ccc in Water-Supply Paper 910. Raymond Jeppeson. Water levels, in feet below measuring point, 1941: Mar. 12, 24.51; Dec. 10, 27.33.

(B-9-1)27bbbl. (B-9-1)27bbb in Water-Supply Paper 910. C. M. Jeppeson. Water levels, in feet below measuring point, 1941: Mar. 12, 20.60; Dec. 10, 22.40.

a Well flowing prior to measurement.

Box Elder County--Continued

- (B-9-2)12occl. State claim 499. G. D. Reeder. Water levels, in feet below measuring point, 1941: Mar. 12, 7.44; Oct. 7, 5.98; Dec. 11, 6.91.
- (B-9-2)12ocdl. State claim 500. G. D. Reeder. Water levels, in feet below measuring point, 1941: Mar. 12, 15.24; Oct. 7, 14.55; Dec. 11, 15.04.
- (B-9-2)14dac1. State claim 549. W. W. and J. F. Knudsen. Water levels, in feet below measuring point, 1941: Mar. 12, 19.57; Oct. 7, 16.86; Dec. 11, 18.90.
- (B-9-2)25bdal. State claim 268. First National Bank. Water levels, in feet below measuring point, 1941: Mar. 12, 24.07; Oct. 7, 12.07; Dec. 11, 16.67.
- (B-9-2)35dcd1. State claim 477. F. H. Hansen. Water levels, in feet below measuring point, 1941: Mar. 12, 41.89; Oct. 7, 33.07; Dec. 11, 39.70.
- (B-9-3)1bbb1. State claim 8477. Federal Land Bank. Water levels, in feet below measuring point, 1941: Mar. 13, 4.09; Oct. 7, 5.73; Dec. 11, 5.97.
- (B-10-3)8dcl. S. N. Cole. Water levels, in feet below measuring point, 1941: Mar. 13, 8.61; Oct. 7, 8.57; Dec. 11, 7.89.
- (B-10-3)9aaal. No measurements in 1941. Measurements discontinued.
- (B-10-3)32aaal. B. E. Stallings. Water levels, in feet below measuring point, 1941: Mar. 13, 2.87; Oct. 7, 2.43; Dec. 11, 2.98.
- (B-10-15)26. Grazing Service. Water level, in feet below measuring point, 1941: Oct. 8, 95.30.
- (B-10-18)28dca. Grazing Service. Water level, in feet below measuring point, 1941: Oct. 8, 121.00.
- (B-11-3)21bbb1. No measurements in 1941. Measurements discontinued.
- (B-11-3)21bbb2. J. A. House. Water levels, in feet below measuring point, 1941: Mar. 13, 3.97; Oct. 7, 4.33; Dec. 11, 5.00.
- (B-11-3)21bbb3. J. A. House. Water levels, in feet below measuring point, 1941: Mar. 13, 3.65; Oct. 7, 3.90; Dec. 11, 3.79.
- (B-11-4)11aaal. State claim 3337. Fred Deininger. Water levels, in feet below measuring point, 1941: Mar. 14, 10.12; Oct. 7, 9.17; Dec. 11, 11.09.
- (B-11-4)14ba. No measurements in 1941. Measurements discontinued.
- (B-11-18)22aa. A. L. Paskett. Water level, in feet below measuring point, 1941: Oct. 8, 21.39.
- (B-11-18)23bb. Central Pacific Railroad. Water level, in feet below measuring point, 1941: Oct. 8, 21.20.
- (B-12-3)11db2. R. D. McFarlane. Water levels, in feet below measuring point, 1941: Mar. 14, 4.96; Oct. 7, 7.65; Dec. 11, 9.64.
- (B-12-4)11cb. State claim 14152. Adolph Harris. Water levels, in feet below measuring point, 1941: Mar. 13, 115.95; Oct. 8, 115.75.
- (B-12-11)22. Grazing Service. Water level, in feet below measuring point, 1941: Oct. 8, 9.04.
- (B-12-11)28ba. No measurements in 1941. Measurements discontinued.
- (B-12-14)2aa. Albert Hirschle. Water level, in feet below measuring point, 1941: Oct. 8, 7.99.
- (B-13-5)17bb. State claim 3776. R. A. Miller. Water levels, in feet below measuring point, 1941: Mar. 13, 63.15; Oct. 8, 63.13.
- (B-13-5)28cb. Joseph Aebischur. Water levels, in feet below measuring point, 1941: Mar. 13, 62.70; Oct. 8, 62.17.
- (B-13-6)10acl. Deacon Brothers. Measuring point since Mar. 13, 1941, is top of upper clamp on casing, 0.3 foot above top of casing, and 0.6 foot above land surface. Water levels, in feet below measuring point, 1941: Mar. 13, 154.00; Oct. 8, 153.90.

Box Elder County--Continued

(B-13-13)28dd. L. G. Carter. Water level, in feet below measuring point, 1941: Oct. 8, 9.32.

(B-13-13)32aa. John Vance. Water level, in feet below measuring point, 1941: Oct. 8, 26.28.

(B-13-14)25cb. J. H. Kunzler. Water level, in feet below measuring point, 1941: Oct. 8, 12.32.

(B-13-14)26bd. W. A. Newman. Water level, in feet below measuring point, 1941: Oct. 8, 19.23.

(B-14-8)11lab. B. S. Cutler. Water levels, in feet below measuring point, 1941: Mar. 13, 43.02; Oct. 8, 48.

(B-14-9)10ad. Abe Rose. Water levels, in feet below measuring point, 1941: Mar. 13, 99.55; Oct. 7, 98.30.

(B-14-15)3dddl. M. A. Smith. Water level, in feet below measuring point, 1941: Oct. 8, 48.13.

(B-14-15)11cc. Mrs. C. B. Tracy. Water level, in feet below measuring point, 1941: Oct. 8, 18.27.

(B-15-14)36. H. Alberts. Measuring point since Oct. 8, 1941, is top of rock curb 6.25 feet below top of wood box and 3.75 feet below surface. Water level, in feet below measuring point, 1941: Oct. 8, 0.58.

Cache County

(A-9-1)10addl. State claim 8135. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 12, 27.81; Oct. 9, 28.62; Dec. 10, 23.23.

(A-10-1)4ab. O. H. Anderson. Water level, in feet below measuring point, 1941: Mar. 12, 11.61; Oct. 9, 10.59; Dec. 10, 10.79.

(A-11-1)3bdal. State claims 23 and 8136. Drought relief Administration. Water levels, in feet below measuring point, 1941: Mar. 12, 33.73; Mar. 13, 38.73; Oct. 9, 38.98; Dec. 10, 37.97.

(A-11-1)8dda3. State claim 1199. Amalgamated Sugar Co.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Mar. 12 | 8.6 | Sept. 3 | a 6.8 | Sept. 26 | a 7.9 | Nov. 4 | a 8.9 |
| Aug. 22 | a 6.7 | 5 | a 7.9 | Oct. 2 | a 7.9 | 25 | a 9.0 |
| 25 | a 6.2 | 9 | a 7.4 | 9 | 8.55 | Dec. 10 | 9.3 |
| 29 | a 7.9 | 15 | a 6.8 | 13 | a 8.7 | 22 | a 9.2 |

(A-11-1)8ddb2. State claim 1210. Amalgamated Sugar Co. No measurements in 1941. Measurements discontinued.

(A-11-1)18dddl. State claim 5950. Lovenus Olsen. Well flowing prior to all plus measurements.

Water level, in feet above or below measuring point, 1941

| | | | | | | | |
|---------|---------|--------|---------|---------|---------|---------|---------|
| Mar. 11 | a +1.15 | July 5 | a +0.03 | Aug. 22 | a +0.46 | Oct. 13 | a +1.37 |
| 12 | +1.13 | 10 | a +.08 | Sept. 3 | a +.65 | Nov. 5 | a +1.64 |
| Apr. 3 | a +1.09 | 22 | a +.03 | 26 | a +.92 | 25 | a +1.78 |
| June 24 | a +.61 | Aug. 6 | a +.18 | Oct. 2 | a +1.06 | Dec. 10 | +2.10 |
| 26 | a +.28 | 15 | a -.20 | 9 | +1.22 | 23 | a +2.07 |

(A-11-1)30bbd2. State claim 18191. L. S. Hill.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Cache County--Continued

(A-11-1)30bbd2.--Continued.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|
| Mar. 11 | a 7.85 | Apr. 3 | a 8.04 | Dec. 10 | 7.33 |
| 12 | 8.02 | Oct. 9 | 8.43 | | |

(A-12-1)3bbbl. State claims 19 and 8129. Smithfield Irrigation Co. Water level, in feet below measuring point, 1941: Mar. 13, 16.20.

(A-12-1)3bbb2. Nora Johnson. Water levels, in feet below measuring point, 1941: Mar. 13, dry at 16.2; Oct. 9, 13.82; Dec. 10, 15.63.

(A-12-1)16bcd1. State claim 11568. Logan City and Cache County. Water levels, in feet above measuring point, 1941: Mar. 12, a/ 16.3; Apr. 2, a/ 15.1; Apr. 4, a/ 15.0.

(A-12-1)16ccal. State claim 10445. Benson Irrigation Co. Water levels, in feet above measuring point, 1941: Mar. 12, a/ 40.2; Oct. 9, 37.1; Dec. 9, a/ 33.4; Dec. 10, 38.4.

(A-12-1)29bdd. Arnold Nielsen.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | .... | 14.1 | 14.0 | 14.5 | 14.7 | 15.0 | 15.5 | 15.8 | 15.5 | 15.4 | 15.4 | 15.2 |
| 2 | .... | 13.9 | 14.0 | 14.4 | 15.1 | 15.0 | 15.5 | 15.9 | 15.5 | 15.4 | 15.5 | 15.4 |
| 3 | .... | 13.9 | 13.8 | 14.4 | 15.0 | 14.6 | 15.6 | 15.8 | 15.5 | 15.5 | 15.5 | 15.5 |
| 4 | .... | 14.3 | 14.0 | 14.5 | 14.4 | 15.0 | 15.8 | 15.9 | 15.5 | 15.9 | 15.5 | 15.5 |
| 5 | .... | 14.0 | 14.1 | 14.5 | 14.2 | 14.5 | 15.9 | 15.6 | 15.5 | 15.3 | 15.5 | 15.4 |
| 6 | 14.1 | 14.0 | 14.0 | 14.3 | 14.2 | 15.0 | 15.9 | 15.5 | 15.6 | 15.7 | 15.5 | 14.9 |
| 7 | 14.3 | 14.3 | 14.1 | 14.6 | 14.0 | 14.9 | 16.0 | 15.6 | 15.6 | 15.8 | 15.5 | 15.0 |
| 8 | 14.3 | 14.0 | 14.1 | 14.8 | 14.6 | 14.7 | 15.6 | 15.5 | 15.6 | 15.8 | 15.8 | 15.3 |
| 9 | 14.0 | 13.8 | 13.8 | 14.8 | 14.5 | 14.5 | 15.5 | 15.3 | 15.5 | 15.8 | 15.6 | 14.4 |
| 10 | 14.1 | 14.3 | 14.0 | 14.4 | 14.3 | 14.6 | 15.5 | 15.2 | 15.4 | 15.3 | 15.6 | 14.8 |
| 11 | 14.1 | 14.1 | 14.1 | 14.4 | 14.7 | 15.2 | 15.5 | 15.3 | 15.5 | .... | 15.7 | 15.0 |
| 12 | 13.8 | 14.0 | 14.1 | 14.4 | 14.3 | 15.4 | 15.5 | 15.3 | 15.5 | 16.0 | 15.7 | 15.1 |
| 13 | 14.2 | 13.8 | 14.0 | 14.4 | 14.4 | 15.7 | 15.5 | 15.4 | 15.8 | 16.0 | 15.6 | 15.3 |
| 14 | 14.3 | 14.0 | 14.4 | 14.5 | 14.0 | 15.7 | 15.5 | 15.3 | 15.3 | 16.0 | 15.6 | 15.3 |
| 15 | 14.6 | 13.9 | 14.1 | 14.5 | 14.4 | 15.6 | 15.5 | 15.4 | 15.7 | 16.0 | 15.6 | 15.4 |
| 16 | 14.1 | 13.8 | 14.4 | 14.5 | 14.5 | 15.9 | 15.4 | 15.5 | 15.6 | 16.1 | 15.6 | 15.4 |
| 17 | 14.2 | 13.8 | 14.5 | 14.5 | 14.7 | 16.0 | 15.4 | 15.5 | 15.5 | 15.4 | 15.6 | 15.2 |
| 18 | 14.3 | 14.0 | 14.5 | 14.4 | 14.5 | 15.9 | 15.5 | 15.5 | 15.5 | 15.4 | 15.7 | 15.2 |
| 19 | 14.1 | 13.8 | 14.5 | 14.3 | 14.5 | 16.0 | 15.5 | 15.5 | 15.6 | 15.5 | 15.4 | 15.3 |
| 20 | 14.2 | 13.7 | 14.3 | 14.5 | 14.6 | 15.9 | 15.5 | 15.5 | 15.6 | 15.6 | 15.3 | 15.2 |
| 21 | 14.2 | 13.8 | 14.4 | 14.7 | 14.5 | 15.8 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.0 |
| 22 | 14.3 | 13.9 | 14.3 | 15.0 | 15.0 | 16.0 | .... | 15.5 | 15.6 | 15.5 | 15.5 | 15.2 |
| 23 | 14.3 | 13.8 | 14.2 | 15.0 | 15.0 | 16.0 | .... | 15.6 | 15.7 | 15.4 | .... | 15.5 |
| 24 | 14.2 | 13.8 | 14.5 | 15.0 | 14.4 | 15.5 | .... | 15.5 | 15.6 | 15.5 | .... | 15.0 |
| 25 | 14.1 | 14 | 14.5 | 14.5 | 15.0 | 15.5 | .... | 15.5 | 15.5 | 15.5 | 15.4 | 15.1 |
| 26 | 14.0 | 13.9 | 14.6 | 14.5 | 14.4 | 15.5 | .... | 15.2 | 15.6 | 15.5 | 15.4 | .... |
| 27 | 13.3 | 13.8 | 14.7 | 14.5 | 14.4 | 15.5 | .... | 15.4 | 15.6 | 15.4 | 15.5 | .... |
| 28 | 14.0 | 13.8 | 14.5 | 14.6 | 14.5 | 15.5 | .... | 15.4 | 15.6 | 15.5 | 15.5 | 14.9 |
| 29 | 14.1 | .... | 14.4 | 15.0 | 14.5 | 15.5 | 15.9 | 15.5 | 15.6 | 15.5 | 15.4 | 15.3 |
| 30 | 13.8 | .... | 14.3 | 14.3 | 15.2 | 15.5 | 15.9 | 15.4 | 15.6 | 15.5 | 15.2 | 15.1 |
| 31 | 14.1 | .... | 14.5 | .... | 15.2 | .... | 15.9 | 15.4 | .... | 15.5 | .... | 15.0 |

(A-12-1)31dabl. State claim 2537. R. S. Painter.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|---------|-------------|
| Mar. 11 | a 32.7 | Apr. 4 | a 32.4 | Dec. 10 | 31.6 | Dec. 16 | a 31.7 |
| 13 | 32.8 | Oct. 7 | 27.55 | 12 | a 31.7 | | |

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Cache County--Continued

(A-13-1)16cobl. State claim 14018. A. A. Miles. Water levels, in feet above measuring point, 1941: Mar. 12, a/ 2.29; Apr. 2, a/ 1.68.

(A-13-1)29bdb1. State claim 1682. J. C. Cannell. Water levels, in feet below measuring point, 1941: Mar. 13, 2.42; Oct. 9, 1.71; Dec. 10, 3.08.

(A-14-1)22bad1. State claim 17652. C. B. Stoddard. Water levels, in feet above measuring point, 1941: Mar. 13, 2.88; Oct. 9, 3.15; Dec. 10, 3.12.

(A-14-1)34adb1. State claim 1373. Crockett Well Co.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|
| Mar. 12 | a 13.59 | Apr. 2 | a 12.07 | Dec. 10 | 17.38 |
| 13 | 13.48 | Oct. 9 | 14.77 | | |

(A-14-1)34caol. State claim 10383. Victor Johnson. Water levels, in feet above measuring point, 1941: Mar. 12, a/ 19.2; Apr. 2, a/ 20.2.

(A-14-1)34dca1. State application 12652. Richmond Irrigation Co. Water levels, in feet below measuring point, 1941: Mar. 12, 2.90; Oct. 9, 3.88; Dec. 10, 4.12.

(B-11-1)3bod1. State claim 15787. Utah Power and Light Co. Well flowing prior to measurements.

Water level, in feet above measuring point, 1941

| | | | | | |
|---------|-------|--------|-------|---------|-----|
| Mar. 11 | a 4.6 | Apr. 4 | a 4.5 | Dec. 10 | 4.8 |
| 12 | 4.6 | Oct. 9 | 4.4 | | |

(B-11-1)13bbol. Alma Olsen.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Mar. 11 | a 37.3 | July 23 | a 33.2 | Sept. 17 | a 34.3 | Oct. 9 | 36.8 |
| 12 | 37.4 | Aug. 19 | a 34.9 | 29 | a 36.2 | Nov. 25 | a 37.0 |
| Apr. 4 | a 37.2 | Sept. 4 | a 35.3 | Oct. 1 | a 36.3 | Dec. 10 | 37.5 |
| June 24 | a 33.2 | | | | | | |

(B-11-1)35caal. State claim 1475. J. A. Lieshman. Water levels, in feet above measuring point, 1941: Mar. 12, b/ 12.5; Oct. 9, b/ 12.1; Dec. 10, b/ 12.8.

(B-11-1)35dad1. State claim 5932. Andrew Hutchinson. Water levels, in feet above measuring point, 1941: Mar. 11, a/ 2.61; Apr. 3, a/ 2.63.

(B-12-1)8oddb2. State claim 16851. Edward Edwards. Water levels, in feet above measuring point, 1941: Mar. 13, b/ 5.8; Apr. 1, a/b/ 5.9; Oct. 7, b/ 5.75; Dec. 11, b/ 6.25.

(B-13-1)30caol. State claim 2757. E. R. Ballard. Water levels, in feet above measuring point, 1941: Mar. 13, b/ 14.6; Apr. 1, a/b/ 14.9; Oct. 7, b/ 16.8; Nov. 24, a/b/ 5.9; Dec. 11, b/ 16.4.

Davis County

(A-2-1)17cobl. State claim 11318. Will Holbrook. Water levels, in feet below measuring point, 1941: Mar. 10, 37.15; Oct. 17, 21.87; Dec. 13, 26.03.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurements.

Davis County--Continued

(A-2-1)18abd. T. Q. Williams.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|
| 1 | .... | 14.2 | .... | 16.8 | 19.6 | 22.0 | a23.4 | a19.8 | 20.3 | 21.2 | 21.0 | 21.1 |
| 2 | .... | 14.2 | .... | 16.7 | 19.6 | 19.9 | a22.3 | a19.6 | 19.8 | 21.1 | .... | 21.0 |
| 3 | .... | 14.2 | .... | 16.6 | 19.7 | 20.8 | a23.7 | a19.6 | 20.6 | 21.0 | .... | 21.5 |
| 4 | .... | 14.2 | .... | 17.2 | 19.4 | 22.1 | a24.1 | a19.7 | 20.6 | 19.9 | .... | 21.4 |
| 5 | .... | 14.3 | 15.6 | 17.0 | 19.6 | 22.6 | a20.9 | a19.8 | 20.4 | 20.8 | .... | 21.2 |
| 6 | .... | 14.3 | .... | .... | 19.7 | 23.2 | a23.1 | a19.8 | 20.4 | 20.9 | .... | 20.9 |
| 7 | .... | 14.7 | .... | .... | 20.2 | 23.3 | a23.3 | a19.8 | 20.4 | 21.1 | .... | 20.8 |
| 8 | 14.1 | 14.6 | .... | .... | 20.5 | 23.5 | a24.2 | a19.7 | 20.4 | 21.0 | .... | 20.8 |
| 9 | 13.9 | 14.5 | .... | .... | a20.6 | 23.7 | a23.9 | a19.4 | 20.4 | 21.1 | .... | 20.7 |
| 10 | 13.8 | 14.6 | 15.9 | .... | a17.3 | 24.3 | a23.3 | a20.2 | 20.3 | 21.2 | 21.4 | 20.6 |
| 11 | 14.1 | 14.8 | 15.8 | 17.4 | 19.7 | 24.9 | a20.9 | a21.4 | 18.8 | 21.2 | 21.3 | 20.9 |
| 12 | 14.0 | 14.8 | 15.8 | 17.5 | 19.9 | 25.2 | a23.6 | a21.5 | 20.2 | 21.3 | 21.4 | 20.8 |
| 13 | 13.9 | .... | 15.9 | 17.4 | 20.0 | 25.3 | a22.7 | a18.8 | 20.1 | 21.1 | 21.4 | 20.6 |
| 14 | 14.0 | .... | 15.9 | 17.6 | 19.2 | 25.2 | a20.5 | a18.8 | 20.3 | 21.0 | 21.3 | 20.6 |
| 15 | 14.1 | .... | 16.1 | 17.9 | 19.8 | a24.9 | a23.1 | a17.5 | 20.5 | 21.0 | 21.3 | 20.6 |
| 16 | 14.1 | 15.1 | 16.2 | 17.6 | 19.2 | a23.9 | a23.3 | 20.3 | 20.8 | 21.0 | 21.6 | 20.5 |
| 17 | 14.6 | 15.0 | 16.3 | 17.9 | 20.2 | a24.4 | a22.4 | 20.3 | 21.0 | 21.0 | 21.3 | 20.5 |
| 18 | 14.3 | 15.0 | 16.6 | 18.2 | 19.7 | a22.9 | a21.2 | 20.5 | 21.0 | 20.8 | 21.0 | 20.6 |
| 19 | 14.3 | 14.8 | 16.3 | 18.4 | 20.1 | a23.3 | a20.8 | 20.2 | 21.1 | 20.8 | 20.9 | 20.6 |
| 20 | 14.1 | 14.8 | 16.4 | 18.7 | 20.2 | a23.8 | a22.8 | 19.8 | 20.7 | 20.8 | .... | 20.5 |
| 21 | 14.1 | .... | 16.2 | 18.8 | a21.4 | a22.4 | a19.8 | a16.8 | 20.8 | 20.6 | .... | 20.5 |
| 22 | 14.3 | .... | 16.2 | 19.0 | a18.8 | a24.0 | a18.8 | a18.8 | 21.0 | 20.7 | .... | 20.3 |
| 23 | 14.2 | .... | 16.2 | 19.1 | a19.9 | a23.4 | a21.0 | 20.2 | 21.0 | 20.8 | .... | .... |
| 24 | 14.3 | .... | 16.2 | 19.1 | 20.3 | a23.2 | a21.0 | a18.5 | 20.9 | 20.7 | .... | .... |
| 25 | 14.3 | .... | 16.3 | 19.1 | 20.4 | a23.7 | a21.2 | a17.3 | 21.0 | 20.5 | .... | .... |
| 26 | 14.4 | .... | 16.5 | .... | 20.9 | a23.9 | 22.2 | 19.7 | 21.1 | 20.6 | .... | .... |
| 27 | 14.2 | .... | 16.6 | .... | 21.6 | a23.2 | 22.8 | 20.2 | 21.0 | 20.9 | .... | .... |
| 28 | 14.2 | .... | 16.7 | .... | 22.3 | a23.1 | .... | 19.6 | 21.2 | 21.0 | .... | .... |
| 29 | 14.2 | .... | 16.7 | 19.5 | 22.2 | a23.1 | .... | 19.6 | 21.2 | .... | .... | .... |
| 30 | 14.4 | .... | 16.7 | 19.3 | 22.1 | a22.7 | a19.8 | 19.5 | 21.1 | .... | 21.1 | .... |
| 31 | 14.6 | .... | 16.8 | .... | 21.8 | .... | a19.8 | 20.2 | .... | 21.0 | .... | .... |

(A-2-1)18baal. State claim 5391. F. W. Cottrell. Water levels, in feet above measuring point, 1941: Mar. 10, 32.1; Oct. 17, 38.6; Dec. 13, 38.0.

(A-2-1)18dba3. State claim 10464. A. E. M. Bangertter. Water levels, in feet above measuring point, 1941: Mar. 10, 7.0; Oct. 17, 12.8; Dec. 13, 11.4.

(A-2-1)19aad1. State claim 2059. Moses Holbrook. Water levels, in feet below measuring point, 1941: Mar. 10, 65.12; Oct. 17, 64.98; Dec. 13, 67.12.

(A-2-1)19dbcl. State claim 1447. Bountiful City Corporation. Water level, in feet below measuring point, 1941: Dec. 13, 67.72.

(A-3-1)31cbcl. State claim 12505. R. A. Moss. No measurements in 1941. Measurements discontinued.

(B-2-1)25bad2. State claim 12452. Myrtle Hatch. Water levels, in feet above or below measuring point, 1941: Mar. 10, -1.01; Oct. 17, b/+5.25; Dec. 13, b/+4.6.

(B-2-1)26aad1. State claim 3656. Clyde Hatch. Water levels, in feet above measuring point, 1941: Mar. 10, 40.50; Oct. 17, 44.8; Dec. 13, 44.7.

(B-2-1)27ddd4. State claim 12034. Albert Thalman. Water levels, in feet above measuring point, 1941: Mar. 10, 27.2; Dec. 13, 27.0.

(B-2-1)34ada3. State claim 9308. M. H. Dearden. Water levels, in feet above measuring point, 1941: Mar. 10, 16.85; Oct. 17, 14.1; Dec. 13, 16.3.

a Adjacent well flowing.

b Well flowing prior to measurement.

Davis County--Continued

(B-2-1)35ada6. State claim 949. A. I. Lemon. No measurements in 1941. Measurements discontinued.

(B-2-1)36bad2. State claim 4550. M. P. Parkin. Measuring point after May 14, 1938, is top of casing, 0.85 foot below top of reducer. Subsequent measurements, published in Water-Supply Papers 840, 845, and 886 are repeated.

Water level, in feet below measuring point, 1938-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|
| May 31, 1938 | 15.40 | Dec. 5, 1938 | 16.63 | Mar. 10, 1941 | 22.30 |
| June 16 | 15.42 | Feb. 2, 1939 | 16.95 | Oct. 10 | 17.04 |
| Aug. 16 | 16.87 | Apr. 1 | 16.99 | Dec. 13 | 17.15 |
| Oct. 19 | 18.50 | Nov. 28, 1940 | 22.32 | | |

(B-2-1)36bbd1. State claim 951. Anna I. Lemon.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 1 | 1.8 | 2.1 | 3.0 | 2.9 | 3.8 | 4.0 | 6.1 | 6.0 | 6.0 | 7.0 | 6.4 | 6.5 |
| 2 | 1.7 | 2.0 | 2.6 | 2.9 | 3.9 | 4.0 | 6.2 | 6.0 | 6.2 | 6.9 | 6.5 | 6.6 |
| 3 | 1.7 | 1.9 | 2.4 | 2.6 | 4.0 | 3.9 | 6.4 | 6.0 | 5.4 | 6.9 | 6.4 | 6.9 |
| 4 | 1.9 | 1.9 | 2.6 | 3.0 | 3.9 | 4.0 | 6.3 | 5.9 | 5.6 | 7.4 | 6.5 | 6.3 |
| 5 | 2.1 | 2.1 | 2.6 | 2.7 | 4.0 | 3.8 | 6.3 | 5.6 | 5.9 | 6.7 | 6.5 | 6.4 |
| 6 | 2.0 | 2.1 | 2.4 | 2.7 | 3.6 | 3.6 | 6.4 | 6.0 | 6.2 | 6.6 | 6.6 | 6.4 |
| 7 | 2.3 | 2.3 | 2.3 | 2.9 | 4.1 | 4.0 | 6.4 | 5.3 | 5.9 | 6.6 | 6.5 | 6.3 |
| 8 | 2.2 | 2.3 | 2.6 | 3.0 | 4.2 | 4.0 | 6.3 | 6.1 | 5.9 | 6.6 | 6.7 | 6.2 |
| 9 | 1.8 | 2.3 | 2.4 | 3.4 | 4.2 | 3.9 | 6.4 | 5.8 | 6.0 | 6.6 | 6.7 | 6.3 |
| 10 | 1.9 | 2.4 | 2.4 | 3.2 | 4.4 | 4.3 | 6.4 | 5.8 | 6.2 | 6.7 | 6.6 | 6.4 |
| 11 | 2.0 | 2.4 | 2.4 | 3.0 | 4.4 | 4.6 | 6.0 | 5.7 | 6.5 | 7.0 | 6.7 | 6.3 |
| 12 | 2.0 | 2.5 | 2.3 | 3.3 | 4.5 | 5.0 | 6.5 | 5.6 | 6.1 | 7.0 | 6.9 | 6.4 |
| 13 | 1.9 | 2.1 | 2.5 | 3.2 | 4.3 | 5.5 | 6.0 | 5.7 | 6.4 | 6.5 | 6.8 | 6.5 |
| 14 | 2.2 | 2.4 | 2.3 | 3.1 | 3.7 | 5.5 | 6.5 | 5.7 | 6.6 | 6.4 | 6.8 | 6.5 |
| 15 | 2.2 | 2.5 | 2.5 | 3.3 | 3.8 | 5.5 | 6.4 | 5.6 | 6.6 | 6.4 | 7.0 | 6.5 |
| 16 | 2.0 | 2.3 | 2.6 | 3.1 | 4.0 | 5.6 | 6.4 | 5.9 | 6.7 | 6.5 | 7.1 | 6.7 |
| 17 | 1.8 | 2.3 | 2.7 | 3.1 | 4.1 | 5.8 | 6.3 | 5.6 | 7.0 | 6.6 | 6.7 | 6.5 |
| 18 | 2.1 | 2.5 | 2.8 | 3.4 | 3.4 | 5.7 | 6.5 | 5.7 | 6.8 | 6.6 | 6.6 | 6.8 |
| 19 | 2.2 | 2.5 | 2.9 | 3.5 | 3.3 | 5.7 | 6.0 | 5.8 | 6.9 | 6.7 | 6.5 | 7.0 |
| 20 | 2.0 | 2.4 | 2.7 | 3.5 | 3.6 | 5.9 | 6.5 | 5.5 | 6.4 | 6.6 | 6.4 | 7.3 |
| 21 | 2.1 | 2.5 | 2.6 | 3.7 | 4.0 | 5.9 | 6.5 | 5.4 | 6.1 | 6.1 | 6.6 | 7.0 |
| 22 | 2.2 | 2.8 | 2.8 | 3.9 | 4.1 | 5.9 | 6.6 | 5.6 | 5.9 | 6.1 | 6.6 | 6.9 |
| 23 | 2.0 | 2.6 | 2.5 | 4.0 | 3.9 | 5.9 | 6.5 | 5.6 | 6.0 | 6.3 | 6.5 | 7.1 |
| 24 | 2.2 | 2.5 | 2.4 | 4.0 | 3.5 | 5.9 | 6.0 | 5.6 | 6.0 | 6.4 | 6.5 | 7.2 |
| 25 | 2.2 | 2.3 | 2.5 | 4.0 | 3.9 | 5.6 | 5.8 | 5.6 | 6.2 | 6.1 | 6.6 | 7.0 |
| 26 | 2.1 | 2.4 | 2.7 | 4.0 | 3.7 | 6.0 | 6.3 | 5.7 | 6.7 | 6.1 | 6.5 | 7.0 |
| 27 | 1.8 | 2.5 | 2.9 | 3.6 | 3.7 | 6.1 | 6.1 | 5.9 | 6.4 | 6.1 | 6.5 | 7.0 |
| 28 | 2.0 | 2.9 | 3.1 | 3.6 | 3.8 | 5.9 | 6.2 | 5.9 | 6.4 | 6.1 | 6.6 | 7.0 |
| 29 | 2.1 | ... | 3.2 | 3.7 | 3.8 | 6.1 | 6.1 | 5.9 | 6.6 | 6.1 | 6.6 | 7.1 |
| 30 | 2.0 | ... | 3.0 | 3.6 | 3.9 | 5.3 | 6.1 | 5.4 | 6.7 | 6.0 | 6.5 | 7.1 |
| 31 | 2.0 | ... | 3.2 | ... | 4.0 | ... | 6.0 | 5.8 | ... | 6.1 | ... | 7.1 |

(B-2-1)36ccb1. State claim 17108. Farmers State Bank. Water levels, in feet above or below measuring point, 1941: Mar. 10, -2.08; Oct. 17, a/+0.55; Dec. 13, a/+1.80.

(B-3-1)15aab1. State claim 8156. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 10, 16.12; Oct. 30, 15.57; Dec. 13, 15.32.

(B-3-1)24aaa4. State claim 10019. Lagoon Resort. Water levels, in feet above measuring point, 1941: Mar. 10, 7.18; Oct. 17, 10.0; Dec. 13, 9.6.

(B-3-1)24aad1. State claim 10012. Lagoon Resort. Water levels, in feet above measuring point, 1941: Mar. 10, 6.95; Oct. 17, 7.95; Dec. 13, 6.7.

a Well flowing prior to measurement.

Davis County--Continued

(B-3-1)24aad3. State claim 10010. Lagoon Resort. No measurements in 1941. Measurements discontinued.

(B-4-1)19cd. Charles Layton. Water levels, in feet below measuring point, 1941: Mar. 10, 2.41; Dec. 13, 0.78.

(B-4-1)30ba. W. W. Evans. Water levels, in feet below measuring point, 1941: Mar. 10, 4.34; Dec. 13, 4.12.

(B-4-1)33bbbl. State claim 12013. J. E. Flint. Well flowing prior to measurements. Water levels, in feet above measuring point, 1941: Mar. 10, 0.80; Dec. 13, 2.6. Measurements discontinued.

(B-4-1)34cbc3. State claim 14733. Kaysville Canning Corporation. Water levels, in feet below measuring point, 1941: Mar. 10, 6.27; Oct. 30, 5.70; Dec. 13, 5.48.

(B-4-2)1dcd1. State claim 8139. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 10, 177.56; Oct. 30, 177.75; Dec. 13, 177.17.

(B-4-2)9caal. State claim 11285. A. D. Miller. Water levels, in feet above measuring point, 1941: Mar. 10, 20.5; Dec. 13, a/ 19.6.

(B-4-2)10daal. State claim 8143. Drought Relief Administration. Water level, in feet below measuring point, 1941: Dec. 13, 37.45.

(B-4-2)20bbbl. State claim 12532. George Sandoz. Water levels, in feet above measuring point, 1941: Mar. 10, 30.1; Dec. 13, 30.9.

(B-5-1)29bdb1. Mountain Fuel Supply Co. No measurements in 1941. Measurements discontinued.

(B-5-3)36adal. State claim 3074. Mary Stoddard. Water levels, in feet above measuring point, 1941: Mar. 11, 28.4; Dec. 12, 26.8.

Duchesne County

U(B-1-1)31ddb. Morris Woodward. Water level, in feet below measuring point, 1941: Oct. 1, 6.40.

U(B-4-3)2bad1. State application 12553. Duchesne City. Water level, in feet below measuring point, 1941: Sept. 30, b/ 2.30.

U(C-1-2)4adcl. State claim 8162. Drought Relief Administration. Water level, in feet below measuring point, 1941: Oct. 1, 14.82.

U(C-1-2)15bbcl. State claim 2152. R. M. Clarke. Water level, in feet above measuring point, 1941: Oct. 1, a/ 11.5.

U(C-1-2)27aaa. State claim 8169. Drought Relief Administration. Leaking around casing during measurement. Water level, in feet above measuring point, 1941: Sept. 30, a/ 11.7.

U(C-1-3)28dcd1. D. H. Allred. Water level, in feet below measuring point, 1941: Sept. 30, 8.30.

U(C-1-3)31cca5. R. A. Lister. Water level, in feet below measuring point, 1941: Sept. 30, 3.90.

U(C-1-4)14aad1. State application 12743. U. S. Forest Service. Water level, in feet below measuring point, 1941: Sept. 30, 3.37. Well pumped recently.

U(C-1-4)28dcd1. State claim 8170. Drought Relief Administration. Water level, in feet above measuring point, 1941: Sept. 30, 3.05.

U(C-1-5)13ada2. State claim 6006. Brigham Stephenson. Water level, in feet below measuring point, 1941: Sept. 30, 5.78.

a Well flowing prior to measurement.

b Water draining into well at time of measurement.

Duchesne County--Continued

U(C-1-5)13ada3. State claim 8165. Drought Relief Administration. Sept. 30, 1941, water above measuring point and 6.80 feet below top of concrete box which is level with land surface.

U(C-2-1)22bb. State application 12440. E. H. Peterson. Water level, in feet above measuring point, 1941: Oct. 1, greater than 52 feet.

U(C-2-1)22bcb1. State claim 958. Stephen Wogac. Water level, in feet above measuring point, 1941: Oct. 1, 44.0.

U(C-2-2)13ccc. State claim 1861. J. O. Griffin. Water level, in feet above measuring point, 1941: Oct. 1, a/ 2.14.

U(C-2-2)23bacl. State claim 1658. City of Roosevelt. Water level, in feet above measuring point, 1941: Oct. 1, a/ 11.5.

U(C-2-3)10dad. George Vangundy. Water level, in feet below measuring point, 1941: Sept. 30, 15.21.

U(C-2-3)28da. Drought Relief Administration. Water level, in feet above measuring point, 1941: Sept. 30, 1.1.

U(C-2-3)33ccdl. E. B. Thompson. Water level, in feet above measuring point, 1941: Oct. 1, a/ 4.9.

U(C-2-5)2bbcl. State claim 8161. Drought Relief Administration. Sept. 30, 1941, water above measuring point and 3.30 feet below top of concrete box.

U(C-2-5)2bc. Talmage School. Water level, in feet below measuring point, 1941: Sept. 30, 2.45.

U(C-3-3)8ccdl. Henry Richins. Water level, in feet above measuring point, 1941: Oct. 1, a/ 13.7.

U(C-3-3)17da. Frank Horricks. Water level, in feet below measuring point, 1941: Oct. 1, 8.07.

U(C-3-4)7ca2. Knight Investment Co. No measurements in 1941. Measurements discontinued.

U(C-3-4)21aa. Knight Investment Co. Water level, in feet below measuring point, 1941: Sept. 30, 97.53.

U(C-3-4)22ba. Knight Investment Co. Water level, in feet below measuring point, 1941: Sept. 30, 152.79.

U(C-4-2)5bb. Drought Relief Administration. No measurements in 1941.

U(C-4-3)3cb. State claim 13129. Roy Taylor. Water level, in feet below measuring point, 1941: Oct. 1, 7.95.

U(C-4-3)4bdcl. State application 12568. U. S. Bureau of Reclamation. Water level, in feet below measuring point, 1941: Oct. 1, 2.98.

Garfield County

(C-31-2)10cba1. (C-31-2)10cb in Water-Supply Paper 910. Gus Lambson. Water levels, in feet below measuring point; 1941: Mar. 21, 9.45; Oct. 8, 12.71; Dec. 3, 14.60.

(C-32-2)2dad1. (C-32-2)2 in Water-Supply Paper 910. T. W. Roberts. Water levels, in feet below measuring point, 1941: Mar. 21, 15.37; Oct. 8, 13.98; Dec. 3, 14.30.

(C-33-5)21bdb1. (C-33-5)16cd in Water-Supply Paper 910. Eva Tebbs. Water levels, in feet below measuring point, 1941: Mar. 21, 15.79; Oct. 9, 14.54; Dec. 3, 14.24.

a Well flowing prior to measurement.

Garfield County--Continued

(G-35-5)28bdcl. State application 11739. Annie Wilcock. Water levels, in feet below measuring point, 1941: Mar. 21, 47.53; Oct. 9, 42.50; Dec. 3, 43.40.

(G-34-5)8adb2. Deward Woodard.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 3 | 14.2 | Mar. 21 | 15.07 | Aug. 25 | 5.3 | Nov. 14 | 8.2 |
| 28 | 14.7 | June 10 | 9.5 | Sept. 20 | 5.5 | Dec. 3 | 10.05 |
| Mar. | 15.1 | July 3 | 7.8 | | | | |

(G-34-5)28docl. (G-34-5)28db in Water-Supply Paper 910. Reed Hayward. Water levels, in feet below measuring point, 1941: Mar. 21, 15.98; Oct. 9, 5.09; Dec. 3, 9.11.

(G-35-4)54docl. State claim 5140. Charles and Will Proctor. Water levels, in feet below measuring point, 1941: Mar. 21, 7.46; Oct. 8, 7.01; Dec. 3, 6.16.

(G-36-3)7aacl. (G-36-3)7 in Water-Supply Paper 910. Lillie Stead. Water levels, in feet below measuring point, 1941: Mar. 21, 4.90; Oct. 8, 6.49; Dec. 3, 4.78.

(G-36-3)18bddl. R. G. Syrett. Water levels, in feet below measuring point, 1941: Mar. 21, 31.15; Oct. 8, 41.28; Dec. 3, 61.79.

(G-36-5)29da. J. A. Yardley. Water levels, in feet below measuring point, 1941: Oct. 8, 23.11; Dec. 3, 25.95.

Iron County - Cedar City Valley

(G-33-11)30dddl. State claim 6005. G. P. Stapley. Water levels, in feet below measuring point, 1941: Mar. 24, 35.23; Dec. 1, 35.59.

(G-34-10)8cccl. State claim 11213. Public Land. Water levels, in feet below measuring point, 1941: Mar. 24, 9.18; Nov. 29, 10.30.

(G-34-10)31obel. M. S. Jones. Water level; in feet below measuring point, 1941: Dec. 1, 0.70.

(G-34-11)9cdcl. D. C. Evans. Water levels, in feet below measuring point, 1941: Mar. 24, 23.71; Dec. 1, 23.18.

(G-34-11)29badl. E. E. Williams. Water levels, in feet below measuring point, 1941: Mar. 24, 25.20; Dec. 1, 25.41.

(G-34-11)36cbcl. State claim 10820. George Grimshaw. Water levels, in feet below measuring point, 1941: Mar. 24, 18.10; Dec. 1, 18.57.

(G-35-10)18cbbl. Richard Williams. Water levels, in feet below measuring point, 1941: Mar. 7, 48.22; Mar. 24, 47.69; Nov. 30, 47.18.

(G-35-11)1cdcl. State claim 17278. Ray Grimshaw. Water levels, in feet below measuring point, 1941: Mar. 24, 3.51; Dec. 1, 1.55.

(G-35-11)4ddal. State claim 5121. Federal Land Bank. Water levels, in feet below measuring point, 1941: Mar. 24, 4.19; Dec. 1, 3.32.

(G-35-11)8cddl. State claim 13703. Charles Corry. Water levels, in feet below measuring point, 1941: Mar. 24, 13.62; Dec. 1, 12.31.

(G-35-11)14dabl. State claim 14000. David Murie. Water levels, in feet below measuring point, 1941: Mar. 24, 4.79; Nov. 29, 2.29.

(G-35-11)15aacl. State claim 1220. H. D. Haight. Water levels, in feet below measuring point, 1941: Mar. 24, 9.77; Dec. 1, 6.63.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Iron County - Cedar City Valley--Continued

(C-35-11)21dbd1. State claim 1222. D. C. Urie.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 29.71 | 29.30 | 28.97 | 28.32 | 28.28 | 27.96 | 27.41 | 27.23 | 27.52 | 26.93 | 26.05 | 25.56 |
| 2 | 29.68 | 29.30 | 28.97 | 28.34 | 28.27 | 27.93 | 27.43 | 27.25 | 27.43 | 26.87 | 26.03 | 25.53 |
| 3 | 29.66 | 29.29 | 28.99 | 28.37 | 28.27 | 27.00 | 27.44 | 27.30 | 27.47 | 26.81 | 26.03 | 25.47 |
| 4 | 29.62 | 29.27 | 28.95 | 28.38 | 28.26 | 27.84 | 27.47 | 27.34 | 27.51 | 26.71 | 26.01 | 25.52 |
| 5 | 29.61 | 29.24 | 28.90 | 28.37 | 28.28 | 27.80 | 27.49 | 27.36 | 27.56 | 26.65 | 26.00 | 25.52 |
| 6 | 29.62 | 29.23 | 28.91 | 28.42 | 28.27 | 27.30 | 27.49 | 27.27 | 27.52 | 26.66 | 25.97 | 25.47 |
| 7 | 29.61 | 29.23 | 28.91 | 28.42 | 28.25 | 27.74 | 27.50 | 27.27 | 27.51 | 26.60 | 25.98 | ..... |
| 8 | 29.61 | 29.24 | 28.95 | 28.43 | 28.24 | 27.67 | 27.49 | 27.30 | 27.53 | 26.57 | 25.93 | ..... |
| 9 | 29.60 | 29.22 | 28.92 | 28.39 | 28.27 | 27.62 | 27.43 | 27.25 | 27.51 | 26.58 | 25.91 | 25.37 |
| 10 | 29.57 | 29.20 | 28.90 | 28.39 | 28.28 | 27.57 | 27.43 | 27.26 | 27.42 | 26.53 | 25.92 | 25.37 |
| 11 | 29.55 | 29.15 | 28.88 | 28.40 | 28.28 | 27.52 | 27.46 | 27.29 | 27.51 | 26.49 | 25.89 | 25.36 |
| 12 | 29.53 | 29.18 | 28.88 | 28.37 | 28.26 | 27.46 | 27.43 | 27.33 | 27.23 | 26.47 | 25.35 | 25.37 |
| 13 | 29.52 | 29.20 | 28.97 | 28.40 | 28.23 | 27.40 | 27.45 | 27.35 | 27.19 | 26.44 | 25.87 | 25.35 |
| 14 | 29.48 | 29.16 | 28.85 | 28.40 | 28.24 | 27.44 | 27.46 | 27.38 | 27.13 | 26.46 | 25.84 | 25.33 |
| 15 | 29.50 | 29.15 | 28.86 | 28.39 | 28.25 | 27.46 | 27.48 | 27.40 | 27.22 | 26.42 | 25.81 | 25.37 |
| 16 | 29.50 | 29.15 | 28.85 | 28.37 | 28.24 | 27.46 | 27.50 | 27.31 | 27.21 | 26.38 | 25.75 | 25.34 |
| 17 | 29.51 | 29.12 | 28.84 | 28.36 | 28.19 | 27.44 | 27.52 | 27.27 | 27.13 | 26.35 | 25.71 | 25.33 |
| 18 | 29.48 | 29.11 | 28.82 | 28.35 | 28.18 | 27.42 | 27.53 | 27.22 | 27.16 | 26.32 | 25.76 | 25.32 |
| 19 | 29.44 | 29.11 | 28.80 | 28.38 | 28.18 | 27.39 | 27.52 | 27.23 | 27.15 | 26.30 | 25.76 | 25.30 |
| 20 | 29.42 | 29.10 | 28.79 | 28.37 | 28.15 | 27.39 | 27.55 | 27.14 | 27.10 | 26.29 | 25.75 | 25.35 |
| 21 | 29.43 | 29.10 | 28.80 | 28.35 | 28.11 | 27.37 | 27.52 | 27.15 | 27.08 | 26.23 | 25.70 | 25.23 |
| 22 | 29.40 | 29.08 | 28.78 | 28.35 | 28.16 | 27.35 | 27.48 | 27.20 | 26.99 | 26.26 | 25.70 | ..... |
| 23 | 29.41 | 29.08 | 28.75 | 28.36 | 28.13 | 27.32 | 27.46 | 27.18 | 26.97 | 26.25 | 25.71 | 25.18 |
| 24 | 29.37 | 29.05 | 28.75 | 28.34 | 28.19 | 27.27 | 27.41 | 27.27 | 26.94 | 26.22 | 25.70 | 25.17 |
| 25 | 29.40 | 29.05 | 28.75 | 28.33 | 28.14 | 27.38 | 27.32 | 27.37 | 26.91 | 26.19 | 25.66 | 25.21 |
| 26 | 29.38 | 29.05 | 28.59 | 28.33 | 28.08 | 27.37 | 27.26 | 27.46 | 26.85 | 26.17 | 25.63 | 25.16 |
| 27 | 29.40 | 29.04 | 28.53 | 28.32 | 28.05 | 27.40 | 27.22 | 27.50 | 26.87 | 26.15 | 25.59 | 25.19 |
| 28 | 29.36 | 29.01 | 28.41 | 28.31 | 28.00 | 27.44 | 27.14 | 27.54 | 26.91 | 26.11 | 25.58 | 25.16 |
| 29 | 29.34 | ..... | 28.32 | 28.30 | 28.00 | 27.37 | 27.16 | 27.45 | 26.88 | 26.12 | 25.57 | 25.13 |
| 30 | 29.33 | ..... | 28.34 | 28.28 | 27.97 | 27.39 | 27.21 | 27.46 | 26.90 | 26.13 | 25.56 | 25.09 |
| 31 | 29.32 | ..... | 28.31 | ..... | 27.91 | ..... | 27.21 | 27.43 | ..... | 26.09 | ..... | 25.04 |

(C-35-11)21dcd1. State claim 11599. Wilford Fife. Water levels, in feet below measuring point, 1941: Mar. 24, 33.48; Dec. 2, 27.78.

(C-35-11)27acd1. State claim 382. Fernleigh Gardner.

Water level, in feet below measuring point, 1941:

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 25 | 44.62 | May 24 | 42.06 | Aug. 24 | 41.87 | Nov. 25 | 38.18 |
| Feb. 25 | 44.08 | June 26 | 36.70 | Sept. 27 | 41.05 | Dec. 2 | 37.97 |
| Mar. 24 | 43.64 | July 22 | 40.47 | Oct. 26 | 39.65 | 25 | 37.27 |
| Apr. 26 | 43.20 | | | | | | |

(C-35-11)29abd2. State claim 11603. Kumen Jones. Water levels, in feet below measuring point, 1941: Mar. 24, 33.67; Dec. 1, 31.25.

(C-35-11)31acd1. State claim 13498. Heber Jenson. Water levels, in feet below measuring point, 1941: Mar. 24, 27.67; Dec. 1, 24.70.

(C-35-11)32cd1. State claim 11595. C. R. Matheson. Water levels, in feet below measuring point, 1941: Mar. 24, 47.56; Dec. 1, 45.33.

(C-35-11)33aac1. State claim 5126. Cottonwood Pump and Irrigation Co. Water levels, in feet below measuring point, 1941: Mar. 24, 66.15; Dec. 2, 62.00.

(C-35-12)34dcd1. State claim 4373. R. J. and W. M. Shay. Water levels, in feet below measuring point, 1941: Mar. 23, 16.64; Dec. 2, 16.59.

(C-36-11)8aab1. State claim 13494. Leonard Hargrave. Water levels, in feet below measuring point, 1941: Mar. 24, 54.97; Dec. 1, 52.22.

Iron County - Cedar City Valley--Continued

- (C-36-11)18aba2. State claim 17383. Jacob Smith. Water levels, in feet below measuring point, 1941: Mar. 23, 24.30; Dec. 2, 21.08.
- (C-36-12)laaa2. State claim 13995. M. J. MacFarlane. Water levels, in feet below measuring point, 1941: Mar. 24, 13.60; Dec. 1, 11.67.
- (C-36-12)12dbal. State claim 15411. Branch Agricultural College. Water levels, in feet below measuring point, 1941: Mar. 23, 18.21; Dec. 2, 16.56.
- (C-36-12)14bbdl. G. H. Pratt. Water levels, in feet below measuring point, 1941: Mar. 23, 9.59; Dec. 2, 9.42.
- (C-36-12)20ddcl. State claim 13516. E. L., H. D., and L. M. Jones. Water levels, in feet below measuring point, 1941: Mar. 23, 3.13; Dec. 2, 1.80.
- (C-36-12)26cbb1. State claim 13747. Cox and Thorley. Water levels, in feet above measuring point, 1941: Mar. 23, a/ 3.44; Dec. 2, a/ 3.52.
- (C-26-12)28cccl. A. P. Spilsbury. Water levels, in feet above measuring point, 1941: Mar. 23, a/ 4.65; Dec. 2, a/ 4.9.
- (C-37-12)9baal. State claim 16350. Platt Watson. Water levels, in feet above measuring point, 1941: Mar. 23, a/ 2.11; Dec. 2, a/ 2.08.
- (C-37-12)11dbcl. Oliver Berkholder. Water levels, in feet below measuring point, 1941: Mar. 23, 9.40; Dec. 2, 10.49.
- (C-37-12)23acbl. State claim 13010. Federal Land Bank. Water levels, in feet below measuring point, 1941: Mar. 23, 53.49; Dec. 2, 54.80.
- (C-37-12)34abb1. State claims 1646 and 8184. Kanarra Field and Reservoir Co. Water levels, in feet below measuring point, 1941: Mar. 22, 46.14; Dec. 2, 44.23.
- (C-38-12)3bcb1. State application 12845. Ford and Williams. Water levels, in feet below measuring point, 1941: Mar. 22, 72.15; Dec. 2, 69.58.

Iron County - Escalante Valley^{6/}

- (C-31-12)9abb1. R. R. McGinty and others. Water levels, in feet below measuring point, 1941: May 1, 78.15; Sept. 21, 78.17; Dec. 9, 78.02.
- (C-31-12)9cbcl. Alta Bonner. Water levels, in feet below measuring point, 1941: May 1, 61.88; Sept. 21, b/ 62+ Dec. 9, 61.92.
- (C-31-12)17cad1. Alta Bonner. Water levels, in feet below measuring point, 1941: May 1, 45.73; Sept. 21, 44.73; Dec. 9, 45.32.
- (C-31-12)19ccd1. State claim 20091. Public land. Water levels, in feet below measuring point, 1941: May 1, 49.60; Sept. 21, 49.62; Dec. 9, 49.51.
- (C-31-13)1al. State claim 6486. Public Land. Water levels, in feet below measuring point, 1941: May 1, 27.65; Sept. 21, 27.70.
- (C-31-13)1a2. Public land. Water levels, in feet below measuring point, 1941: May 1, 27.68; Sept. 21, 27.87.
- (C-31-13)4bcc2. State claim 14007. J. O. Steele. Stock well, diameter 10 inches, depth 40 feet. Measuring point, top of concrete pump base, level with land surface and 5,072.39 feet above mean sea level. Water levels, in feet below measuring point, 1941: July 16, 28.25; Sept. 24, 28.33; Dec. 8, 28.05.
- (C-31-13)4cddl. Pearl Boeck. Water levels, in feet below measuring point, 1941: May 1, 24.55; Sept. 24, 24.80.
- (C-31-13)6adcl. State claim 17348. Myrtle Colvin. Water levels, in feet below measuring point, 1941: May 1, 51.31; Sept. 24, 51.40; Dec. 8, 51.39.

^{6/} For other wells in this valley see pages 37 to 49.

^a Well flowing prior to measurements.

^b Windmill pumping.

Iron County - Escalante Valley--Continued

(C-31-13)7ddal. Chas. B. Mannell. Water levels, in feet below measuring point, 1941: May 1, 58.88; Sept. 24, 59.07; Dec. 8, 59.24.

(C-31-13)8dbcl. State claim 11588. Public Land. Water levels, in feet below measuring point, 1941: May 1, a/ 36.47; Sept. 24, 37.08; Dec. 8, 36.72.

(C-31-13)21abb1. Public Land. Water level, in feet below measuring point, 1941: May 1, 22.00.

(C-31-13)27bcd1. State claim 11567. Belle Couch. Water levels, in feet below measuring point, 1941: May 1, 39.24; Sept. 25, 39.25.

(C-31-13)33cccl. Lemont Lowe. Water levels, in feet below measuring point, 1941: May 1, 34.19; Sept. 25, 34.25.

(C-31-14)9bcd1. State claim 13999. Public Land. Water levels, in feet below measuring point, 1941: May 1, 44.33; Oct. 3, 42.44; Dec. 8, 42.45.

(C-31-14)28caal. State claim 6008. J. A. Paramore. Water levels, in feet below measuring point, 1941: May 1, 140.27; Oct. 3, b/ 140.48; Dec. 8, b/ 138.56.

(C-32-12)6cbb1. Geo. A. Lowe, Jr. Water levels, in feet below measuring point, 1941: May 1, 61.10; Sept. 25, 61.12; Dec. 9, 61.08.

(C-32-12)34ddal. State claim 6004. W. L. Adams. Water level, in feet below measuring point, 1941: Nov. 10, 11.23.

(C-32-13)6baal. Wm. Hinz. Unused well, diameter 48 inches. Measuring point, top of 1½ inch discharge pipe, 2.0 feet below land surface. Water level, in feet below measuring point, 1941: Sept. 25, 11.11.

(C-32-13)7dcl. No measurements in 1941. Measurements discontinued.

(C-32-13)9bdd1. State claim 5229. Alma Frahske. Water level, in feet below measuring point, 1941: Sept. 25, 43.94.

(C-32-14)10dcl. U. S. Geol. Survey. Water level, in feet below measuring point, 1941: May 1, 10.84.

(C-32-14)12cod1. Fred C. Pagel. Water levels, in feet below measuring point, 1941: May 1, 22.80; Sept. 24, 22.90.

(C-32-14)19bdd1. No measurements in 1941. Measurements discontinued.

(C-32-14)28bbb1. State claim 17227. Joseph Dyson. Water levels, in feet below measuring point, 1941: May 2, 2.29; Sept. 25, 2.80; Nov. 30, 2.61.

(C-32-14)30bab1. J. H. Johnston. Water levels, in feet below measuring point, 1941: May 1, a/ 32.92; Oct. 3, 33.28; Dec. 8, 33.10.

(C-32-14)32add1. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 2, 13.00; Sept. 25, moist sand at 14.4; Nov. 30, 14.24.

(C-32-16)26abb1. Bryant Hedrick. Stock and domestic well, diameter 6 inches, depth 72 feet. Measuring point, well cover under pump base, 0.3 foot above land surface. Water levels, in feet below measuring point, 1941: Oct. 15, 55.65; Dec. 1, 56.62.

(C-32-16)27baal. State claim 17689. Donald Mackelprang. Stock well, diameter 48 inches, depth 48 feet. Measuring point, bottom of well cover, level with land surface. Water levels, in feet below measuring point, 1941: Oct. 15, 31.18; Dec. 1, 30.85.

(C-32-16)28b. Bryant Hedrick. Stock well, diameter 24 inches, depth 28 feet. Measuring point, bottom of well cover, level with land surface. Water levels, in feet below measuring point, 1941: Oct. 15, 14.64; Dec. 1, a/ 21.89.

a Windmill stopped 10 minutes.

b Windmill stopped 15 minutes.

Iron County - Escalante Valley--Continued

- (C-33-12)17abd1. State claim 13489. J. L. and Daniel Stephens. Stock well, diameter 3½ inches, depth 122 feet. Measuring point, bottom of hole in pitcher pump base, 0.8 foot above land surface. Water levels, in feet below measuring point, 1941: Nov. 18, 109.52; Dec. 8, a/ 109.61.
- (C-33-12)18bdal. State claim 13715. W. M. Leigh. Stock well, diameter 4 inches, depth 97 feet. Measuring point, hole in casing, 0.5 foot above land surface. Water levels, in feet below measuring point, 1941: Nov. 18, 81.92; Dec. 8, 81.92.
- (C-33-12)29adcl. State claim 17643. R. B. Nelson. Stock well, diameter 4 inches, depth 130 feet. Measuring point, top of casing, 0.6 foot above land surface. Water levels, in feet below measuring point, 1941: Nov. 18, 121.18; Dec. 8, 121.16.
- (C-33-13)3d. Rebecca Bulloch. Stock well, diameter 8 inches, depth 80 feet. Measuring point, top of casing, 1.8 feet above land surface. Water levels, in feet below measuring point, 1941: Nov. 18, 66.09; Dec. 8, 66.07.
- (C-33-14)8cccl. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 2, 9.25; Oct. 10, 9.53; Nov. 30, 9.26.
- (C-33-14)15dbdl. Grazing Service. Water levels, in feet below measuring point, 1941: Oct. 10, 32.44; Nov. 30, 32.42.
- (C-33-14)19adbl. No measurements in 1941. Measurements discontinued.
- (C-33-14)36ddcl. (C-33-14)36dd in Water-Supply Paper 910. Henry Jones. Water levels, in feet below measuring point, 1941: Oct. 15, 69.89; Dec. 8, 69.82.
- (C-33-15)3daal. William Adams. Unused well, depth 75 feet. Measuring point, top of well cover, level with land surface. Water levels, in feet below measuring point, 1941: Nov. 2, 74.03; Dec. 8, 73.99.
- (C-33-15)12aaal. Public Land. Water levels, in feet below measuring point, 1941: May 2, 19.54; Oct. 10, 19.61; Dec. 4, 19.36.
- (C-33-15)13cbb1. Iron County. Water levels, in feet below measuring point, 1941: May 1, 16.67; Oct. 10, 15.66; Dec. 3, 15.81.
- (C-33-15)19bccl. Robins and Maguire. Water levels, in feet below measuring point, 1941: May 2, 78.70; Oct. 4, 78.68; Dec. 1, 78.16.
- (C-33-15)25bbbl. Public Land. Water levels, in feet below measuring point, 1941: May 2, 2.38; Oct. 10, 2.60; Dec. 3, 2.46.
- (C-33-15)27cdal. Public Land. Water levels, in feet below measuring point, 1941: May 2, 17.10; Oct. 4, 18.3; Dec. 3, 18.15.
- (C-33-15)31cbb1. Jesse Carlson. Water levels, in feet below measuring point, 1941: May 2, 28.13; Oct. 4, 27.88; Dec. 5, 27.84.
- (C-33-15)33dcbl. State claim 13492. Arlie Fourman. Water levels, in feet below measuring point, 1941: May 2, 10.73; Oct. 4, 10.82. Dec. 3, 10.73.
- (C-33-15)34dddl. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 2, 9.20; Sept. 26, 8.60; Dec. 3, 9.46.
- (C-33-15)36cccl. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 1, 7.63; Sept. 26, 8.14; Dec. 3, 8.18.
- (C-33-16)11cdcl. Will Wood. Stock well, diameter 6 inches, depth 119 feet. Measuring point, top of casing, 2.5 feet above land surface, and 5,216.25 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 1, 94.84.
- (C-33-16)19dddl. Clarence Lynd. Water levels, in feet below measuring point, 1941: May 2, 66.92; Sept. 30, 66.74; Dec. 1, 66.93.
a Windmill stopped 10 minutes.

Iron County - Escalante Valley--Continued

(C-33-16)25bbal. Frank Emerine. Water levels, in feet below measuring point, 1941: May 2, 54.68; Oct. 4, 54.87; Dec. 2, 54.89.

(C-33-16)29cdb1. Donji Ikeda. Water levels, in feet below measuring point, 1941: May 2, 28.65; Sept. 30, 28.71; Dec. 1, 28.68.

(C-33-17)13dcl. Lucis A. Burascono. Unused stock and domestic well, diameter 8 inches, depth 185 feet. Measuring point, top of casing, 0.3 foot above land surface and 5,301.21 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 1, 164.04.

(C-33-17)25add1. Nunzio Fucarino. Water levels, in feet below measuring point, 1941: May 2, a/ 63.60; Sept. 30, 63.76; Dec. 1, 63.31.

(C-33-17)29dcb1. Frank Webster. Water levels, in feet below measuring point, 1941: May 2, b/ 108.38; Oct. 12, b/ 108.38; Dec. 1, 108.14.

(C-33-17)31baal. Agatha Webster. Unused stock and domestic well, diameter 36 inches, depth 112 feet. Measuring point, top of wood curb, west side, 1.0 foot above land surface and 5,250.76 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 1, 108.62.

(C-34-14)31ccc1. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 3, 13.85; Oct. 10, 15.53; Dec. 6, 14.82.

(C-34-15)ladal. (C-34-15)laad1 in Water-Supply Paper 910. State claims 5230 and 10672. Bank of Southern Utah. Water level, in feet above measuring point, 1941: Nov. 30, c/ 2.64.

(C-34-15)lada2. (C-34-15)laad2 in Water-Supply Paper 910. No measurements in 1941. Measurements discontinued.

(C-34-15)6cbb2. No measurements in 1941. Measurements discontinued.

(C-34-15)16ccc1. P. S. McQuarrie. Water levels, in feet below measuring point, 1941: May 2, 4.55; Oct. 4, 5.45.

(C-34-15)16ccc2. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 2, 7.80; Oct. 4, 8.66; Dec. 5, 8.25.

(C-34-15)17bbb1. Public Land. Water levels, in feet below measuring point, 1941: May 2, 9.97; Dec. 5, 9.94.

(C-34-15)27daa2. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 3, 10.29; Sept. 26, 11.41; Dec. 3, 10.67.

(C-34-15)31bbb1. U. S. Geol. Survey. Water levels, in feet below measuring point, 1941: May 2, 7.48; Dec. 4, d/ 8.26.

(C-34-16)7aab2. State claim 17296. J. M. Robinson. Water levels, in feet below measuring point, 1941: May 2, 16.70; Oct. 10, 17.74; Dec. 2, 17.37.

(C-34-16)9bcl. Fred Pinafrock. Water levels, in feet below measuring point, 1941: May 2, 9.18; Oct. 4, 11.37; Dec. 4, 10.66.

(C-34-16)9bccl. Augustus Lott. Water levels, in feet below measuring point, 1941: May 2, 8.59; Oct. 4, 9.61; Dec. 4, 9.15.

(C-34-16)10bab2. C. M. Jillson. Water levels, in feet below measuring point, 1941: May 2, 10.23; Oct. 10, 10.49; Dec. 4, 10.50.

(C-34-16)15ccc2. Iron County. Water levels, in feet below measuring point, 1941: May 2, 2.90; Oct. 4, 1.58; Dec. 4, 3.29.

(C-34-16)17acd1. State claim 13507. J. F. Grincil. Domestic well, diameter 10 inches, depth 20 feet. Measuring point, bottom of well cover, level with land surface. Water level, in feet below measuring point, 1941: Oct. 14, 7.57.

a Windmill pumping.

b Windmill stopped for 10 minutes.

c Well flowing prior to measurement.

d Well cleaned out--allowed to recover 15 minutes.

Iron County - Escalante Valley--Continued

(C-34-16)17adcl. State claim 16392. J. F. Grincil. Irrigation well, diameter 12 inches, depth 31 feet. Measuring point, top of casing, 7.0 feet below land surface and 5,124.89 feet above mean sea level. Water levels, in feet below measuring point, 1941: Oct. 14, 1.21; Dec. 4, 0.96.

(C-34-16)17dcc2. Public Land.

Water level, in feet below measuring point, 1941

| Date | Water level inside of casing | Water level outside of casing | Date | Water level inside of casing | Water level outside of casing |
|--------|------------------------------------|-------------------------------------|---------|------------------------------------|-------------------------------------|
| May 2 | 1.21 | 1.43 | Oct. 14 | 1.96 | 2.33 |
| Oct. 4 | 1.98 | .... | Dec. 4 | 1.65 | 1.97 |

(C-34-16)18aac1. C. E. Aye. Water levels, in feet below measuring point, 1941: May 2, 13.87; Sept. 30, 14.42; Dec. 2, 14.26.

(C-34-16)21dcc2. Public Land. Water levels, in feet below measuring point, 1941: May 2, 11.78; Oct. 4, 12.06; Dec. 4, 11.91.

(C-34-16)26ccc2. Public Land. Water levels, in feet below measuring point, 1941: May 2, 11.72; Oct. 11, 12.23; Dec. 4, 12.01.

(C-34-16)27bcc2. Public Land. Unused irrigation well, diameter 12 inches, depth 88 feet. Measuring point, top of casing, 8 feet below land surface and 5,126.56 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 4, 1.82.

C-34-16)28acc2. State claim 4827. George and Alma Owen. Irrigation well, diameter 12 inches, depth 130 feet. Measuring point, hole in casing, 0.1 foot below land surface. Water level, in feet below measuring point, 1941: Oct. 11, 8.51.

(C-34-16)28acc3. State claim 4826. George and Alma Owen. Domestic well, diameter 8 inches, depth 35 feet. Measuring point, top of casing, 0.4 foot above land surface and 5,134.71 feet above mean sea level. Water level, in feet below measuring point, 1941: Oct. 11, 8.74.

(C-34-16)28bcc2. Fred Fisher.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|----------------|---------|----------------|----------|----------------|---------|----------------|
| Jan. 25 | 2.37 | May 2 | 2.00 | Aug. 26 | 2.58 | Oct. 27 | 2.46 |
| Feb. 25 | 2.27 | 28 | 1.95 | Sept. 25 | 2.54 | Nov. 26 | 2.35 |
| Mar. 26 | 2.19 | June 28 | 2.02 | Oct. 4 | 2.58 | Dec. 29 | 2.29 |
| Apr. 25 | 2.04 | July 23 | 2.23 | | | | |

(C-34-16)28ccc2. State of Utah. Water levels, in feet below measuring point, 1941: May 2, 3.92; Oct. 4, 4.44; Dec. 4, 4.25.

(C-34-16)28dcc2. State claim 10426. A. B. Sudbury and others. Unused irrigation well, diameter 12 inches, depth 63 feet. Measuring point, top of casing, 6.7 feet below land surface and 5,129.89 feet above mean sea level. Water level, in feet below measuring point, 1941: Oct. 11, 3.50.

(C-34-16)30adbl. (C-34-16)30abbl in Water-Supply Paper 910. D. F. Shelley. Water levels, in feet below measuring point, 1941: May 2, 4.04; Oct. 4, 4.47; Dec. 4, 4.25.

(C-34-16)30ddc2. State claim 11721. Iron County. Water levels, in feet below measuring point, 1941: May 3, 1.82; Oct. 4, 2.33; Dec. 5, 2.01.

(C-34-16)31bcc3. S. B. Endicott. Water levels, in feet below measuring point, 1941: May 3, 3.03; Oct. 4, 2.87; Dec. 2, 2.61.

(C-34-16)33cdc2. State of Utah. Water levels, in feet below measuring point, 1941: May 3, 16.46; Oct. 7, 17.16; Dec. 4, 17.05.

(C-34-16)33cddl. State of Utah. Water levels, in feet below measuring point, 1941: May 3, 13.28; Oct. 7, 14.01; Dec. 4, 13.68.

Iron County - Escalante Valley--Continued

(C-34-16)34bcc2. K. L. McGarry. Unused irrigation well, diameter 12 inches, depth 57 feet. Measuring point, top of casing, 0.3 foot above land surface and 5,138.29 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 4, 10.77.

(C-34-17)ldabl. Freda Spooner. Water levels, in feet below measuring point, 1941: May 2, 21.72; Sept. 30, 22.66; Dec. 2, 22.29.

(C-34-17)5ccc2. Harry Thorley. Unused irrigation well, diameter 8 inches, depth 75 feet. Measuring point, top of casing, 1.0 foot above land surface. Water level, in feet below measuring point, 1941: Dec. 1, 56.83.

(C-34-17)9ddd1. William Haigh. Water levels, in feet below measuring point, 1941: May 2, 31.83; Sept. 30, 31.83; Dec. 3, 31.77.

(C-34-17)10bbc1. W. B. Prout. Water levels, in feet below measuring point, 1941: May 2, 33.86; Sept. 30, 33.89; Dec. 3, 33.96.

(C-34-17)10dad1. C. F. and E. A. Woehr. Unused domestic well, diameter 36 inches, depth 23 feet. Measuring point, top of plank of curb, level with land surface and 5,158.95 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 3, 23.38.

(C-34-17)18add1. M. C. Martinsen and others. Water levels, in feet below measuring point, 1941: May 2, 55.68; Oct. 9, 55.00; Dec. 3, 55.48.

(C-34-17)24bcc2. William Maston. Water levels, in feet below measuring point, 1941: May 2, 15.32; Oct. 9, 15.64.

(C-34-17)24cbb1. State claim 6835. Marvin Hughes. Water levels, in feet below measuring point, 1941: May 2, 15.46; Sept. 30, 15.84; Dec. 3, 15.53.

(C-34-17)27abal. Lena Murphy. Water levels, in feet below measuring point, 1941: May 2, 28.49; Sept. 30, 29.22; Dec. 3, 28.57.

(C-34-17)28abb1. Public Land. Water level, in feet below measuring point, 1941: May 2, 41.84.

(C-34-18)16add1. H. A. Thorley. Stock well, diameter 8 inches, depth 168 feet. Measuring point, top of timber supporting pipe, level with land surface. Water level, in feet below measuring point, 1941: Dec. 3, 164.55.

(C-34-18)23bbc1. H. A. Thorley. Stock well, diameter 48 inches, depth 134 feet. Measuring point, top of plank spanning well, 0.5 foot below land surface. Water level, in feet below measuring point, 1941: Dec. 3, 164.55.

(C-34-18)24dba1. H. A. Thorley. Stock well, diameter 8 inches, depth 91 feet. Measuring point, top of casing, 0.8 foot above land surface and 5,227.81 feet above mean sea level. Water level, in feet below measuring point, 1941: Oct. 9, 83.58.

(C-34-19)36dbc1. Union Pacific Railroad. Railroad well, diameter 15 inches, depth 640 feet. Measuring point, top of casing, 0.1 foot above land surface. Water levels, in feet below measuring point, 1941: Oct. 3, 252.66; Dec. 1, 252.73.

(C-35-12)13ddd2. State claim 11258. Columbia Steel Co. Water levels, in feet below measuring point, 1941: May 3, 2.33; Oct. 12, 4.16; Nov. 30, 3.24.

(C-35-13)4a. Iron County. Stock well, diameter 10 inches, depth 200 feet. Measuring point, top of casing, 1.0 foot above land surface. Water level, in feet below measuring point, 1941: Nov. 18, 47.49.

(C-35-15)3acc1. State claim 3791. C. G. Clarke. Water level, in feet below measuring point, 1941: Dec. 6, 14.98.

(C-35-15)3dccl. State claim 3790. C. G. Clarke. Water levels, in feet below measuring point, 1941: May 3, 14.98; Sept. 26, 15.99; Dec. 6, 15.15.

Iron County - Escalante Valley--Continued

(C-35-15)3dec2. State claim 3788. C. G. Clarke. Water levels, in feet below measuring point, 1941: May 3, 14.52; Sept. 26, 15.03; Dec. 6, 14.61.

(C-35-15)4dec2. Iron County. Water levels, in feet below measuring point, 1941: May 3, 9.18; Sept. 26, 9.84; Dec. 6, 9.45.

(C-35-15)6odd1. Frank Bridel. Water levels, in feet below measuring point, 1941: May 3, 14.28; Oct. 4, 15.78; Dec. 6, 15.16.

(C-35-15)10bacl. State application 12133. Walter Martin. Stock well, diameter 10 inches, depth 33 feet. Measuring point, top of casing, 6.7 feet below land surface and 5,134.22 feet above mean sea level. Water level, in feet below measuring point, 1941: Sept. 26, 11.09.

(C-35-15)10bdc2. State application 12134. Walter Martin. Water levels, in feet below measuring point, 1941: May 3, 16.80; Sept. 26, 17.90; Dec. 6, 17.03.

(C-35-15)11bbb1. Marvel Del Vecchio. Water levels, in feet below measuring point, 1941: May 3, 18.00; Sept. 26, 19.48; Dec. 6, 17.95.

(C-35-15)20bcd1. Public Land. Water levels, in feet below measuring point, 1941: May 3, 23.37; Sept. 26, 23.91; Dec. 6, 23.50.

(C-35-15)23ccc1. State claim 11602. K. S. Gardner. Stock well, diameter 6 inches, depth 36 feet. Measuring point, top of casing, 0.6 foot above land surface. Water level, in feet below measuring point, 1941: Nov. 12, 31.84.

(C-35-15)30acc2. Hugh Ash. Water levels, in feet below measuring point, 1941: May 3, 29.69; Sept. 26, 29.84; Dec. 6, 29.76.

(C-35-16)3bcd1. State claim 3792. C. G. Clarke. Water levels, in feet below measuring point, 1941: Oct. 7, 16.72; Dec. 5, 16.45.

(C-35-16)5add1. Lawrence Hurt. Irrigation well, diameter 16 inches, depth 36 feet. Measuring point, top of beam over casing, 11.5 feet below land surface. Water levels, in feet below measuring point, 1941: Oct. 14, 2.17; Dec. 5, 1.79.

(C-35-16)5add2. Lawrence Hurt. Stock and domestic well, diameter 8 inches, depth 30 feet. Measuring point, top of casing, 0.3 foot below land surface. Water level, in feet below measuring point, 1941: Oct. 14, 12.53.

(C-35-16)6bbc1. Fortunatus Thompson. Water levels, in feet below measuring point, 1941: May 3, 18.02; Oct. 9, 18.53; Dec. 2, 18.35.

(C-35-16)7bbb1. State claim 13661. H. L. Austin. Water levels, in feet below measuring point, 1941: May 3, 18.75; Sept. 29, 19.89; Dec. 2, 19.45.

(C-35-16)7ccb2. State claim 11563. Arnold Barlocher. Water levels, in feet below measuring point, 1941: May 3, 20.45; Sept. 29, 20.85; Dec. 2, 20.56.

(C-35-16)9cdc1. W. and U. Hasegawa. Water levels, in feet below measuring point, 1941: May 3, 15.47; Oct. 7, 16.25; Dec. 5, 15.96.

(C-35-16)10bdal. State claim 13760. C. G. Clarke. Water levels, in feet below measuring point, 1941: May 3, 2.32; Oct. 7, 3.08; Dec. 5, 2.76.

(C-35-16)15abcl. J. E. Harris. Water levels, in feet below measuring point, 1941: May 3, 17.94; Oct. 7, 18.64; Dec. 5, 18.35.

(C-35-16)15bbal. F. Motowaki. Unused irrigation well, diameter 12 inches, depth 95 feet. Measuring point, top of casing, 16.4 feet below land surface. Water level, in feet below measuring point, 1941: Oct. 7, 3.81.

(C-35-16)17accl. A. C. Christensen. Irrigation well, diameter 20 inches, depth 37 feet. Measuring point, top of casing, 15 feet below land surface. Water level, in feet below measuring point, 1941: Oct. 7, 1.66.

Iron County - Escalante Valley--Continued

- (C-35-16)17addl. Caine Christensen. Irrigation well, diameter 13 inches, depth 92 feet. Measuring point, top of casing, 14.5 feet below land surface. Water level, in feet below measuring point, 1941: Oct. 7, 2.66.
- (C-35-16)17badl. State claim 2230. Alice Kase. Water levels, in feet below measuring point, 1941: May 3, 3.68; Oct. 7, 4.46; Dec. 5, 4.16.
- (C-35-16)17bbal. Public Land. Domestic well, diameter 5 inches, depth 41 feet. Measuring point, top of casing, 0.2 foot above land surface. Water level, in feet below measuring point, 1941: Oct. 14, 14.69.
- (C-35-16)17cda2. State claim 16463. Ira Caldwell. Water levels, in feet below measuring point, 1941: May 3, 2.47; Oct. 7, 3.21; Dec. 5, 2.93.
- (C-35-16)17ddcl. James Dell. Domestic well, diameter 6 inches, depth 22 feet. Measuring point, top of concrete curb, 0.7 foot above land surface. Water level, in feet below measuring point, 1941: Oct. 7, 20.16.
- (C-35-16)17dddl. State claim 17282. James Dell. Irrigation well, diameter 12 inches, depth 73 feet. Measuring point, top of casing, 14.3 feet below land surface. Water levels, in feet below measuring point, 1941: Oct. 7, 3.79; Dec. 4, 3.59.
- (C-35-16)18cdc4. J. C. Bosshardt. Water levels, in feet below measuring point, 1941: May 3, 20.64; Sept. 29, 22.25; Dec. 2, 21.91.
- (C-35-16)20cdd2. Eva Hard. Stock well, diameter 12 inches, depth 25 feet. Measuring point, top of casing, 0.5 foot above land surface and 5,162.42 feet above mean sea level. Water levels, in feet below measuring point, 1941: Dec. 5, 20.56.
- (C-35-16)22addl. State claim 10337. C. and S. Inatomi. Water levels, in feet below measuring point, 1941: May 3, 1.46; Oct. 7, 2.19; Dec. 5, 1.87.
- (C-35-16)22bbal. Public Land. Water levels, in feet below measuring point, 1941: May 3, 21.49; Oct. 7, 22.06; Dec. 5, 21.85.
- (C-35-16)22ccd1. Lyman and Heber Sevy. Water level, in feet below measuring point, 1941: May 3, 12.33.
- (C-35-17)1bcc1. (C-35-17)1bcc in Water-Supply Paper 910. Robert Pershall. Water level, in feet below measuring point, 1941: May 3, 7.85; Sept. 29, 7.99; Dec. 2, 8.00.
- (C-35-17)1bdd1. Robert Pershall. Stock well, diameter 8 inches, depth 58 feet. Measuring point, top of casing, 2 feet above land surface. Water level, in feet below measuring point, 1941: Sept. 29, 22.73.
- (C-35-17)3bbb1. State claim 8432. L. E. and H. M. Sevy. Water levels, in feet below measuring point, 1941: May 2, 46.35; Sept. 24, 46.39; Dec. 3, 46.33.
- (C-35-17)8cbb1. W. W. Adams. Stock and domestic well, diameter 6 inches, depth 100 feet. Measuring point, top of casing, 2.5 feet above land surface and 5,232.13 feet above mean sea level. Water levels, in feet below measuring point, 1941: Sept. 24, 87.48; Dec. 3, 87.58.
- (C-35-17)13acc1. Parley Moyle. Irrigation well, diameter 18 inches, depth 101 feet. Measuring point, top of casing, 0.2 foot below land surface. Water level, in feet below measuring point, 1941: Sept. 29, 25.43.
- (C-35-17)13bdcl. State claim 14228. A. D. Moyle. Water levels, in feet below measuring point, 1941: May 3, 25.85; Oct. 9, 27.36; Dec. 2, 26.37.
- (C-35-17)13cbcl. Henry Moyle. Water levels, in feet below measuring point, 1941: May 3, 26.57; Sept. 29, 28.41; Dec. 2, 27.18.
- (C-35-17)21add1. E. A. Pickering. Unused well, diameter 6 inches, depth 42(?) feet. Measuring point, top of casing, 1.7 feet below land surface and 5,192.88 feet above mean sea level. Water level, in feet below measuring point, 1941: Dec. 3, 27.64.

Iron County - Escalante Valley--Continued

(C-35-17)25cddl. Henry Brenn. Water levels, in feet below measuring point, 1941: May 3, 35.74; Sept. 29, 35.86; Dec. 2, 35.85.

(C-36-15)8bba1. R. F. Jones. Stock well, diameter 6 inches, depth 212 feet. Measuring point, top of casing, 0.5 foot above land surface. Water levels, in feet below measuring point, 1941: Oct. 15, 87.58; Dec. 6, 87.09.

(C-36-15)8dbdl. Federal Land Bank. Water level, in feet below measuring point, 1941: Sept. 24, 117.25.

(C-36-15)20bacl. A. C. Christensen. Unused stock and domestic well, diameter 48 inches, depth 121 feet. Measuring point, top of cement curb, 0.5 foot above land surface and 5,277.19 feet above mean sea level. Water levels, in feet below measuring point, 1941: Sept. 24, 120.26; Dec. 6, 119.29.

(C-36-16)4b3. L. E. and H. M. Sevy. Irrigation well, diameter 13 inches, depth 153 feet. Measuring point, bottom of slot in casing, level with land surface. Water level, in feet below measuring point, 1941: Sept. 23, 43.65.

(C-36-16)4cdcl. L. E. and H. M. Sevy. Stock well, diameter 48 inches, depth 54 feet. Measuring point, bottom of railroad tie cover of well, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 24, 51.80; Dec. 6, 52.86.

(C-36-16)5a2. Public Land. Unused domestic well, diameter 8 inches, depth 49 feet. Measuring point, top of casing, 1.0 foot below land surface and 5,195.21 feet above mean sea level. Water level, in feet below measuring point, 1941: Sept. 23, 47.58.

(C-36-16)5a4. State claim 8431. H. M. and L. E. Sevy. Water levels, in feet below measuring point, 1941: May 3, 44.63; Sept. 26, 44.83; Dec. 5, 44.78.

(C-36-16)9dddl. J. A. Eldredge. Unused domestic well, diameter 8 inches, depth 64 feet. Measuring point, top of crib, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 24, 55.31; Dec. 5, 55.63.

(C-36-16)16ddal. C. J. Erickson. Water level, in feet below measuring point, 1941: Sept. 23, 59.20.

(C-36-16)16dda2. C. J. Erickson. Irrigation and stock well, diameter 8 inches, depth 63 feet. Measuring point, top of concrete curb, level with land surface and 5,208.37 feet above mean sea level. Water levels, in feet below measuring point, 1941: Sept. 19, 56.96; Dec. 6, 56.93.

(C-36-16)19caal. J. A. Eldredge. Stock well, diameter 8 inches, depth 102 feet. Measuring point, slot in casing, 0.2 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 23, 73.10; Dec. 2, 77.97.

(C-36-16)22baal. T. W. Jones. Domestic well, diameter 48 to 8 inches depth 79 feet. Measuring point, top of cement curb, 0.8 foot above land surface and 5,215.28 feet above mean sea level. Water levels, in feet below measuring point, 1941: Sept. 23, 63.50; Dec. 6, 63.82.

(C-36-16)31bddl. W. H. Leigh. Irrigation well, diameter 16 inches, depth 200 feet. Measuring point, top of casing, 0.5 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 20, 101.41; Dec. 5, 101.25.

(C-36-16)32addl. Public Land. Unused irrigation well, diameter 8 inches, depth 138 feet. Measuring point, top of casing, 0.5 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 19, 127.89; Dec. 5, 127.76.

Iron County - Escalante Valley--Continued

(C-36-17)10cc1. State claim 3349. Public Land. Water level, in feet below measuring point, 1941: Dec. 2, a/ 67.14.

(C-36-17)11d0c1. Public Land. Unused stock well, diameter 48 inches, depth 162 feet. Measuring point, top of railroad tie curb, level with land surface. Water level, in feet below measuring point, 1941: Sept. 24, 113.35.

Iron County - Parowan Valley

(C-32-8)1ad1. Iron County. Water levels, in feet below measuring point, 1941: Feb. 26, b/ 50.40; Dec. 1, 50.30.

(C-32-8)35b0b1. State claim 5683. H. N. Edwards. Water levels, in feet above measuring point, 1941: Feb. 26, c/ 11.0; Sept. 23, 8.2; Dec. 1, c/ 7.2.

(C-33-8)15b0d1. State claim 18610. Walter Talbot. Water level, in feet above measuring point, 1941: Dec. 1, c/ 2.4.

(C-33-8)28b0b1. State claim 16133. State of Utah. Water levels, in feet below measuring point, 1941: Mar. 25, 12.07; Sept. 23, 11.55; Dec. 1, 11.70.

(C-33-9)1dad2. State claim 4743. Henry Mitchell estate. Water level, in feet above measuring point, 1941: Dec. 1, c/ 8.7.

(C-33-9)14cc0c1. State claim 6489. W. M. Eyre estate. Water levels, in feet above measuring point: May 2, 1940, c/ 10.6; May 16, 1940, c/ 9.2; Mar. 3, 1941, 20.6; Nov. 30, 1941, c/ 16.6.

(C-33-9)24ab1. State claim 10202. Annie Decker.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | .... | 18.1 | 18.9 | 19.5 | .... | 17.7 | 15.9 | .... | 14.7 | 14.7 | .... | 17.6 |
| 2 | .... | 18.0 | 18.9 | 19.5 | .... | .... | 16.0 | .... | 14.8 | 14.5 | .... | 17.7 |
| 3 | .... | 17.9 | 18.7 | 19.5 | .... | .... | 16.1 | 14.9 | 14.7 | 14.7 | 16.1 | 18.0 |
| 4 | .... | 18.6 | 18.9 | 19.5 | .... | .... | 16.0 | 14.9 | 15.0 | 14.9 | 16.2 | 17.9 |
| 5 | 17.8 | 18.6 | 19.0 | 19.4 | .... | .... | 15.8 | 14.6 | 15.0 | 15.0 | 16.3 | 17.8 |
| 6 | .... | 18.4 | 18.7 | 19.3 | .... | .... | 15.7 | 14.7 | 14.8 | 14.7 | 16.6 | 17.8 |
| 7 | .... | 18.0 | 18.8 | 19.5 | .... | .... | 15.6 | 15.0 | 14.6 | 15.6 | 16.5 | 18.0 |
| 8 | 17.7 | 18.6 | 19.1 | 19.7 | .... | .... | 15.6 | 14.7 | 14.5 | 15.5 | 16.4 | 17.9 |
| 9 | 18.0 | 18.1 | 19.1 | 19.7 | .... | .... | 15.5 | 14.8 | 14.5 | 15.3 | 16.3 | 17.9 |
| 10 | 18.1 | 18.1 | 19.2 | 19.5 | .... | .... | 15.6 | 14.6 | 14.6 | 15.3 | 16.9 | 18.1 |
| 11 | 18.1 | 18.1 | 19.4 | 19.7 | .... | .... | 15.7 | 14.5 | 14.7 | 15.3 | 16.7 | 18.3 |
| 12 | 18.0 | 18.4 | 19.5 | 19.5 | 19.8 | .... | 15.3 | 14.6 | 14.8 | 15.5 | 16.7 | 18.2 |
| 13 | 18.0 | 18.3 | 19.3 | 19.5 | 19.7 | .... | 15.4 | 14.7 | 14.6 | 15.1 | 16.6 | 18.1 |
| 14 | 17.2 | 18.0 | 19.1 | .... | 19.6 | .... | 15.2 | 14.7 | 14.4 | 15.8 | 16.7 | 18.3 |
| 15 | 17.8 | 18.6 | 19.1 | .... | 19.7 | .... | 15.5 | 14.6 | 14.3 | 15.6 | 16.8 | 18.3 |
| 16 | 18.0 | 18.1 | 19.1 | .... | 19.5 | 17.1 | 15.2 | 14.7 | 14.6 | .... | 16.9 | 18.2 |
| 17 | 17.9 | 18.3 | 19.3 | .... | 19.4 | 17.1 | 15.3 | 14.7 | 14.5 | .... | 16.9 | 18.3 |
| 18 | 17.8 | 18.4 | 19.4 | .... | 18.8 | 17.1 | .... | 14.8 | 14.9 | .... | 16.7 | .... |
| 19 | 17.7 | 18.6 | 19.1 | .... | 18.7 | 17.2 | .... | 14.9 | 14.6 | .... | 16.9 | .... |
| 20 | 17.8 | 18.5 | 19.4 | .... | 18.6 | 17.1 | .... | 15.0 | 14.5 | .... | 17.2 | .... |
| 21 | 17.8 | 18.6 | 19.4 | .... | 18.5 | 16.8 | .... | 15.0 | 14.4 | .... | 17.2 | 18.7 |
| 22 | 17.9 | 18.6 | 19.6 | .... | 18.7 | 16.7 | .... | 15.0 | 14.2 | .... | 17.2 | 18.6 |
| 23 | 17.9 | .... | 19.4 | .... | 18.3 | 16.6 | .... | 15.0 | 14.4 | .... | 17.1 | 18.7 |
| 24 | 18.1 | .... | 19.3 | .... | 18.4 | 16.7 | .... | 14.9 | 14.4 | .... | 17.3 | 19.0 |
| 25 | 17.9 | .... | 19.2 | .... | 18.6 | 16.9 | .... | 14.9 | 14.5 | .... | 17.4 | 18.9 |
| 26 | 17.8 | 18.7 | 19.5 | .... | 17.8 | 16.5 | .... | 15.0 | 14.6 | .... | 17.5 | 18.8 |
| 27 | 17.8 | 18.9 | 19.6 | .... | 17.9 | 16.3 | .... | 15.0 | 14.7 | .... | 17.7 | 18.6 |
| 28 | 17.8 | 19.0 | 19.6 | .... | 18.0 | 16.3 | .... | 15.0 | 14.5 | .... | 17.7 | 18.8 |
| 29 | 18.0 | .... | 19.5 | .... | 18.1 | 16.2 | .... | 15.0 | 14.6 | .... | 17.6 | 19.0 |
| 30 | 17.9 | .... | 19.5 | .... | 18.1 | 15.9 | .... | .... | 14.5 | .... | 17.7 | 19.1 |
| 31 | 18.3 | .... | 19.5 | .... | 17.9 | .... | .... | 14.8 | .... | .... | .... | .... |

a Windmill stopped 10 minutes.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

c Well flowing prior to measurement.

d Water leaking through faucet.

Iron County - Parowan Valley--Continued

(C-33-9)28abd1. State claim 17259. John Dolorinske. Water levels, in feet above measuring point, 1941: Mar. 8,a/ 15.7; Nov. 30, 6.25.

(C-33-9)32ccd2. State claim 17335. Alfred Wilcox. Water levels, in feet above or below measuring point, 1941: Mar. 8,a/ +8.4; Sept. 23, -10.26; Nov. 30, +4.1.

(C-33-9)34cbd2. State claim 5694. Mary Marsden. Water levels, in feet below measuring point, 1941: Feb. 28, 20.00; Sept. 23, 40.76; Nov. 30, 25.03.

(C-33-9)34dcd1. State claim 6750. Federal Land Bank. Water levels, in feet below measuring point, 1941: Feb. 28,a/ 9.85; Sept. 23, 12.95; Nov. 30, 5.97.

(C-33-9)34ddd1. State claim 13496. J. B. Dalton. Water levels, in feet below measuring point, 1941: Feb. 28,a/ 23.13; Sept. 30.30; Nov. 30, 21.06.

(C-33-9)35ddd1. State claim 13812. State of Utah. Water levels, in feet below measuring point, 1941: Feb. 28,a/ 37.73; Sept. 23, 39.30; Nov. 30, 34.45.

(C-33-9)36dcd1. State claim 494. H. L. Adams. Water levels, in feet below measuring point, 1941: Mar. 8,a/ 38.90; Sept. 23, 41.22; Nov. 30, 37.13.

(C-34-8)5bcal. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 8,a/ 22.90; Dec. 1, 20.10.

(C-34-9)3cba2. State claim 7882. Federal Land Bank. Water level, in feet below measuring point, 1941: Nov. 30, 6.64.

(C-34-9)5dad1. State claim 5089. J. C. Robinson. Water level, in feet below measuring point, 1941: Mar. 4,a/ 17.13.

(C-34-9)6bcd1. State claim 13506. G. D. Hyatt. Water levels, in feet below measuring point, 1941: Mar. 8,a/ 3.39; Sept. 23, 4.33; Nov. 30, 3.85.

(C-34-9)8bdd1. State claim 4868. P. H. Gurr. Water levels, in feet below measuring point, 1941: Mar. 8,a/ 28.35; Sept. 23, 28.17; Nov. 30, 28.03.

(C-34-9)10bdd1. State claim 8801. A. B. Barnes.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1 | 55.70 | 54.83 | 54.05 | 57.97 | 58.34 | 56.88 | 55.67 | 52.74 | 51.31 | | | |
| 2 | 55.64 | 54.82 | 54.05 | 58.02 | 58.38 | 56.55 | 55.45 | 52.71 | 51.21 | | | |
| 3 | 55.60 | 54.86 | 54.12 | 58.08 | 58.57 | 56.68 | 55.17 | 52.60 | 51.05 | | | |
| 4 | 55.53 | 54.77 | 54.10 | 58.05 | 58.36 | 57.75 | 57.00 | 54.99 | 52.55 | 51.10 | | |
| 5 | 55.44 | 54.78 | 54.00 | 58.11 | 58.34 | 57.84 | 56.94 | 55.05 | 52.52 | 51.10 | | |
| 6 | 55.37 | 54.82 | 54.07 | 58.20 | 58.33 | 58.07 | 56.83 | 55.01 | 52.43 | 51.03 | | |
| 7 | 55.37 | 54.05 | 57.96 | 58.32 | 57.89 | 56.82 | 54.88 | 52.44 | 51.00 | | | |
| 8 | 55.40 | 54.80 | 54.04 | 57.98 | 58.26 | 58.10 | 56.95 | 54.89 | 52.32 | 50.91 | | |
| 9 | 55.37 | 54.72 | 53.95 | 57.55 | 58.18 | 58.09 | 56.93 | 54.96 | 52.24 | 50.81 | | |
| 10 | 55.32 | 54.69 | 53.90 | 57.94 | 58.16 | 57.90 | 56.66 | 54.93 | 52.24 | 50.77 | | |
| 11 | 55.11 | 54.63 | 53.91 | 58.14 | 58.17 | 57.40 | 56.48 | 55.12 | 52.18 | 50.75 | | |
| 12 | 55.25 | 54.64 | 53.92 | 56.65 | 58.21 | 57.92 | 56.34 | 55.00 | 52.08 | 50.76 | | |
| 13 | 55.28 | 54.60 | 53.96 | 56.43 | 58.20 | 58.03 | 56.26 | 55.00 | 52.10 | 50.74 | | |
| 14 | 55.19 | 54.57 | 53.97 | 56.73 | 58.22 | 58.12 | 56.10 | 55.00 | 52.06 | 50.70 | | |
| 15 | 55.17 | 54.59 | 53.96 | 56.97 | 58.10 | 56.00 | 55.00 | 52.00 | 50.71 | | | |
| 16 | 56.10 | 55.19 | 54.59 | 53.93 | 57.09 | 57.99 | 56.01 | 55.00 | 51.85 | 50.65 | | |
| 17 | 56.12 | 55.11 | 54.57 | 53.94 | 56.93 | 58.04 | 55.93 | 55.00 | 51.70 | 50.59 | | |
| 18 | 56.07 | 55.08 | 54.55 | 53.91 | 57.25 | 58.05 | 56.66 | 56.10 | 51.77 | 50.59 | | |
| 19 | 55.96 | 55.06 | 53.95 | 58.07 | 56.69 | 56.48 | 55.00 | 51.78 | 50.56 | | | |
| 20 | 55.89 | 55.05 | 53.95 | 57.16 | 53.11 | 56.82 | 56.23 | 51.76 | 50.44 | | | |
| 21 | 55.91 | 55.00 | 53.91 | 57.38 | 58.09 | 56.82 | 56.40 | 51.64 | 50.38 | | | |
| 22 | 55.83 | 54.93 | 57.44 | 58.09 | 56.93 | 55.74 | 51.62 | 50.43 | | | | |

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Iron County - Parowan Valley--Continued

(C-34-9)10bddd1.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 23 | 55.84 | 54.97 | ..... | ..... | 57.23 | 58.10 | ..... | 56.54 | 56.45 | ..... | 51.65 | 50.26 |
| 24 | 55.76 | 54.97 | 54.23 | ..... | 57.35 | 58.33 | ..... | 56.48 | 56.32 | ..... | 51.62 | 50.18 |
| 25 | 55.83 | 54.95 | 54.21 | ..... | 57.45 | 58.34 | ..... | ..... | 56.18 | ..... | ..... | 50.28 |
| 26 | 55.81 | 54.97 | 54.20 | ..... | 57.25 | 58.25 | ..... | ..... | 56.17 | ..... | ..... | 50.20 |
| 27 | 55.95 | 54.97 | 54.18 | ..... | 57.45 | 58.35 | ..... | ..... | 56.16 | 53.01 | ..... | 50.26 |
| 28 | 55.74 | 54.90 | 54.15 | ..... | 57.60 | 58.38 | ..... | ..... | 56.17 | 52.88 | ..... | ..... |
| 29 | 55.69 | ..... | 54.09 | ..... | 57.73 | 58.25 | ..... | ..... | 56.17 | 52.83 | ..... | ..... |
| 30 | 55.67 | ..... | 54.15 | ..... | 57.80 | 58.28 | ..... | ..... | 56.20 | 52.84 | 51.29 | ..... |
| 31 | 55.66 | ..... | 54.10 | ..... | 57.86 | ..... | ..... | 56.83 | ..... | ..... | ..... | ..... |

(C-34-9)16cddd1. State claim 5318. Federal Land Bank. Water levels, in feet below measuring point, 1941: Mar. 7,^a 31.27; Sept. 23, 26.70; Nov. 30, 25.41.

(C-34-10)11dcd1. State claim 18010. Rulon Lyman. Measuring point since Nov. 30, 1941 is bottom of hole in casing, 0.4 foot above land surface, 1.6 feet below top of casing, and 5,771.4 feet above mean sea level. Water level, in feet below measuring point, 1941: Nov. 30, 67.82.

(C-34-10)24abcl. State application 12115. R. J. Green. Water levels, in feet below measuring point, 1941: Mar. 7,^a 56.54; Nov. 30, 55.60.

Juab County - Juab Valley

(C-12-1)36dcal. State claim 2227. Orson Cazier. Water levels, in feet below measuring point, 1941: Mar. 18, 21.92; Dec. 6, 16.59.

(C-15-1)4dd. C. H. Johnson. East well of 2 wells. Water levels, in feet above measuring point, 1941: Mar. 19, 0.70; Dec. 6, 1.12.

C-15-1)4dd. C. H. Johnson. West well of 2 wells. Water levels, in feet below measuring point, 1941: Mar. 19, 0.51; Dec. 6,^a 0.30.

(C-15-1)11bab1. State claim 3120. Mrs. Nicholine Powell. Water level, in feet below measuring point, 1941: Mar. 19, 2.27.

(C-15-1)12adal. State claim 10223. R. C. Mangelson. Water levels, in feet below measuring point, 1941: Mar. 19, 59.14; Dec. 6, 57.30.

(D-11-1)9bbb4. State claim 3099. J. L. and H. J. Fowkes. Water levels, in feet above measuring point, 1941: Mar. 18, 8.7; Dec. 6, 13.6.

(D-11-1)3labcl. Loren Keyte. Water levels, in feet below measuring point, 1941: Mar. 18, 1.85; Dec. 6, 0.52.

(D-12-1)19cdcl. State claim 4397. P. P. Christenson. Water levels, in feet above measuring point, 1941: Mar. 18,^b 14.5; Dec. 6,^a 21.3.

(D-13-1)6cbcl. State claim 8188. Nephi Irrigation Co.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|----------|-------------|
| Jan. 6 | 24 | Mar. 18 | 22.69 | May 27 | 17 | Sept. 24 | 18.34 |
| 28 | 23.9 | Apr. 1 | 22.8 | June 30 | 17.5 | Nov. 11 | 17.91 |
| Feb. 27 | 22 | 27 | 21.3 | July 29 | 18 | Dec. 6 | 17.41 |

(D-14-1)6baal. State claim 2730. C. H. Garrett. Water levels, in feet below measuring point, 1941: Mar. 19, 197.24; Dec. 6, 196.31.

a Well flowing prior to measurement.

b Leaking through plug.

7/
Juab County - Snake Valley

- (C-11-15)30c. No measurements in 1941. Measurements discontinued.
- (C-11-16)6cc. J. H. Guilmette. Water level, in feet below measuring point, 1941: Sept. 18, 23.20.
- (C-11-17)1bdcl. State claim 8190. Drought Relief Administration. Water level, in feet below measuring point, 1941: Sept. 18, 3.01.
- (C-13-18)13d. David Howells. Water level, in feet above measuring point, 1941: Sept. 18, a 4.28.
- (C-13-18)14dccl. (C-13-18)14dcc in Water-Supply Paper 910. Will Parker. Water level, in feet below measuring point, 1941: Sept. 18, 12.62.
- (C-13-18)23aab2. Charles Nielson. Water level, in feet below measuring point, 1941: Sept. 18, 5.12.
- (C-14-18)3. State application 12809. Public Land. Northernmost of three wells. Water level, in feet above measuring point, 1941: Sept. 18, b 4.7.
- (C-14-18)3. State application 12809. Public Land. Southernmost of three wells. Water level, in feet above measuring point, 1941: Sept. 18, b 4.6.

8/
Millard County - Escalante Valley

- (C-24-10)22acal. Grazing Service. Unused well, diameter 5 inches, depth 148 feet. Measuring point, top of concrete well cover, 1.0 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 19, 18.20; Nov. 30, 16.70.
- (C-24-10)22acbl. Grazing Service. Domestic well drilled for Civilian Conservation Corps, diameter 6 inches, depth 210 feet. Measuring point, top of coupling on casing, 0.5 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 19, 12.47; Nov. 30, 11.02.
- (C-25-9)19dccl. Denner and others. Oil prospect well, diameter 8 inches, depth 1,545 feet. Measuring point, top of casing, 0.5 foot below land surface. Water level, in feet below measuring point, 1941: Dec. 1, 44.60.
- (C-25-9)20abdl. Walter James and E. C. Lewis. Oil prospect well, diameter 8 inches, depth 3,500 feet. Measuring point, top of casing, 0.8 foot above land surface. Water level, in feet below measuring point, 1941: Nov. 30, 83.57.
- (C-25-9)29ccal. Ferdinand Erickson. Stock well, diameter 8 inches. Measuring point, top of wooden pipe supports, 0.16 foot above top of casing, 0.4 foot above land surface. Water level, in feet below measuring point, 1941: Dec. 1, 61.52.
- (C-25-10)9dbal. E. C. Hiltbrand. Unused stock well, diameter 48 inches. Measuring point, top of octagonal concrete curb, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 19, 56.38; Dec. 1, 56.37.
- (C-25-10)26caal. State of Utah. Unused well, diameter 54 inches. Measuring point, top of loose 3-inch discharge pipe, 0.4 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 23, 18.07; Dec. 1, 18.09.
- (C-25-10)31cbcl. Frank Paxton. Stock well, diameter 4 inches. Measuring point, top of coupling on casing, 0.8 foot above land surface. Water level, in feet below measuring point, 1941: Dec. 2, 32.12.

7/ For other wells in this valley, see pages 76 and 77.

8/ For other wells in this valley, see pages 37-49; 61-70; 130.

a Found dripping.

b Well flowing prior to measurement.

Millard County - Pavant Valley

(C-18-5)28accl. State claim 16404. Lawrence Clark. Water level, in feet below measuring point, 1941: Mar. 25, 13.77; Nov. 27, 31.63.

(C-19-4)31bcc1. State claim 4263. (C-19-4)32bcc1 in Water-Supply Paper 910. Union Pacific Railroad Co. Water levels, in feet below measuring point, 1941: Mar. 25, 17.39; Nov. 27, 18.93.

(C-19-5)4abal. State claim 16402. Lawrence Clark. Water level, in feet below measuring point, 1941: Nov. 27, 23.77.

(C-19-5)4ddal. State claim 16405. Lawrence Clark. Water levels, in feet below measuring point, 1941: Mar. 25, 33.90; Nov. 27, 33.63.

(C-19-5)22acbl. Utah State Road Commission. Water level, in feet below measuring point, 1941: Nov. 11, 17.56.

(C-20-5)9adal. State claim 4732. Edgar Turner. No measurements in 1941. Measurements discontinued.

(C-20-5)13dad1. C. H. Day. Water levels, in feet below measuring point, 1941: Mar. 25, 49.23; Nov. 27, 48.13.

(C-20-5)22bcc1. State claim 7671. M. E. Rowley. Water levels, in feet above measuring point, 1941: Mar. 25, $\frac{a}{6.8}$; Nov. 27, $\frac{a}{7.0}$.

(C-21-4)9bbdl. John Carling. Water levels, in feet below measuring point, 1941: Mar. 25, 35.29; Sept. 24, 37.27; Nov. 28, 37.76.

(C-21-5)3bbb1. Dal Huntsman. Water levels, in feet below measuring point, 1941: Mar. 25, 25.04; Nov. 27, 25.00.

(C-21-5)21abal. State of Utah.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 12.32 | 11.11 | 10.85 | 13.90 | 19.78 | 20.99 | 21.29 | 21.86 | 20.41 | 19.78 | 14.87 | ..... |
| 2 | 12.23 | 11.10 | 11.94 | 14.90 | 19.90 | 21.62 | 21.44 | 21.24 | 20.44 | 19.68 | 14.75 | ..... |
| 3 | 12.13 | 11.46 | 12.20 | 16.07 | 20.10 | 21.46 | 21.92 | 21.25 | 20.53 | 19.04 | 14.59 | ..... |
| 4 | 12.01 | 11.83 | 12.16 | 16.28 | 20.16 | 21.64 | 21.32 | 21.95 | 20.54 | 18.38 | 14.15 | ..... |
| 5 | 12.00 | 12.30 | 12.16 | 16.52 | 20.24 | 21.80 | ..... | 21.65 | 20.46 | 18.59 | 14.11 | ..... |
| 6 | 12.08 | 12.37 | 12.21 | 16.68 | 20.28 | 21.80 | 21.31 | 21.76 | 20.36 | 18.56 | 14.02 | ..... |
| 7 | 12.04 | 12.46 | 12.25 | 16.83 | 20.34 | 21.73 | ..... | 21.32 | 20.39 | 17.54 | 14.03 | ..... |
| 8 | 12.05 | 12.55 | 12.56 | 17.16 | 20.38 | 20.97 | 21.94 | 21.30 | 20.43 | 17.35 | 13.78 | 11.50 |
| 9 | 12.03 | 12.53 | 12.58 | 17.01 | 20.47 | 20.99 | 21.75 | 21.27 | 20.35 | 17.28 | 13.68 | 11.40 |
| 10 | 11.94 | 12.55 | 12.52 | 17.09 | 20.47 | 21.03 | 21.32 | 21.25 | 20.31 | 17.13 | 13.65 | 11.38 |
| 11 | 11.70 | 12.43 | 12.51 | 17.29 | 20.51 | 21.03 | 21.25 | 21.50 | 20.26 | 17.04 | 13.57 | 11.36 |
| 12 | 11.70 | 12.66 | 12.45 | 17.28 | 20.53 | 21.25 | 21.36 | ..... | 20.24 | 16.97 | 13.47 | 11.35 |
| 13 | 11.67 | 12.77 | 12.51 | 17.32 | 20.54 | 21.09 | 21.25 | 21.81 | 20.23 | 16.92 | 13.48 | ..... |
| 14 | 11.52 | 12.73 | 12.55 | 17.41 | 20.63 | 21.12 | 21.92 | 21.27 | 20.25 | 16.89 | 13.40 | 11.03 |
| 15 | 11.55 | 12.73 | 12.63 | ..... | ..... | 21.16 | 21.38 | 21.30 | 20.61 | 16.79 | 12.98 | 11.07 |
| 16 | 11.59 | 12.71 | 12.63 | ..... | ..... | 21.16 | 21.35 | 21.25 | 20.10 | 16.69 | 12.80 | ..... |
| 17 | 11.57 | 12.70 | 12.65 | ..... | ..... | 21.25 | 21.92 | 21.25 | 20.35 | 16.63 | 12.71 | ..... |
| 18 | 11.49 | 12.70 | 12.64 | ..... | ..... | 21.69 | 21.97 | 21.27 | 20.28 | 16.18 | 12.72 | 11.10 |
| 19 | 11.37 | 12.66 | 12.59 | ..... | 20.75 | 21.25 | 21.34 | 21.26 | 20.27 | 16.01 | 12.70 | 10.99 |
| 20 | 11.34 | 12.75 | 12.58 | ..... | 20.77 | 21.18 | 21.36 | 21.95 | 20.24 | 15.96 | 12.69 | 10.86 |
| 21 | 11.41 | 12.73 | 12.65 | 19.00 | 20.77 | 21.19 | 21.40 | 21.27 | 20.24 | 15.89 | 12.57 | 10.85 |
| 22 | 11.37 | 11.57 | 12.60 | ..... | 20.78 | 21.15 | 21.89 | 21.23 | 20.14 | 15.87 | 12.58 | 10.89 |
| 23 | 11.38 | 11.33 | 12.55 | ..... | 20.80 | 21.21 | 21.30 | 21.45 | 20.03 | 15.67 | 12.64 | 10.67 |
| 24 | 11.31 | 11.19 | 12.55 | ..... | 20.80 | ..... | 21.36 | 20.62 | 20.01 | 15.33 | 12.60 | 10.65 |
| 25 | 11.32 | 11.11 | ..... | ..... | 20.80 | ..... | 22.02 | 20.57 | 19.86 | 15.20 | 12.60 | 10.67 |
| 26 | 11.30 | 11.09 | 12.55 | ..... | 20.84 | ..... | 21.38 | 20.55 | 19.79 | 15.16 | 12.59 | 10.62 |
| 27 | 11.36 | 11.04 | 12.59 | ..... | 20.83 | ..... | 21.33 | 20.53 | 19.81 | 15.06 | 12.51 | 10.65 |
| 28 | 11.23 | 10.95 | 12.59 | 19.53 | 20.89 | ..... | 21.33 | 20.53 | 19.80 | 15.07 | 12.40 | 10.60 |
| 29 | 11.16 | ..... | 12.56 | 19.59 | 20.92 | ..... | 21.87 | 20.92 | ..... | 15.06 | 12.39 | 10.53 |
| 30 | 11.14 | ..... | 12.65 | 19.75 | 20.93 | ..... | 21.33 | 20.65 | 19.77 | 15.05 | 12.36 | 10.49 |
| 31 | 11.13 | ..... | 12.59 | ..... | 21.50 | ..... | 21.28 | 20.59 | ..... | 14.96 | ..... | 10.42 |

a Well flowing prior to measurements.

Millard County - Pavant Valley--Continued

(C-21-5)33dcl. State claims 71, 6337 and 7831. Andrew Dahlquist. Measuring point since Dec. 10, 1940, is top of hole in sill of pump intake, 9.0 feet below land surface and 8.0 feet below top of check valve opening. Water levels, in feet above measuring point, 1941: Mar. 25, 7.85; Sept. 24, 0.10; Nov. 28, 6.5.

(C-21-5)34bdd1. R. E. Sweeting. Water levels, in feet below measuring point, 1941: Mar. 25, 41.34; Sept. 24, 48.20; Nov. 28, 42.86.

(C-22-5)17accl. State claim 3296. William Blake. Water levels, in feet above measuring point, 1941: Sept. 24, 19.4; Nov. 28, 25.65.

(C-22-5)32dacl. Frank Paxton.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | ..... | ..... | 32.50 | 32.47 | 33.05 | 33.52 | 33.65 | 33.62 | 33.18 |
| 2 | ..... | ..... | 32.39 | 32.49 | 33.07 | 33.33 | 33.64 | 33.57 | 33.16 |
| 3 | ..... | ..... | 32.35 | 32.50 | 33.09 | 33.74 | 33.66 | 33.55 | 33.11 |
| 4 | ..... | 35.43 | 32.33 | 32.52 | ..... | 34.01 | 33.63 | 33.52 | 33.16 |
| 5 | 34.98 | 35.38 | ..... | 32.54 | ..... | 34.00 | 33.64 | 33.48 | 33.19 |
| 6 | ..... | ..... | 32.30 | 32.56 | ..... | 34.00 | ..... | 33.44 | 33.17 |
| 7 | ..... | 35.19 | 32.26 | ..... | ..... | 33.99 | ..... | 33.43 | 33.18 |
| 8 | ..... | 34.72 | 32.27 | ..... | ..... | 34.25 | ..... | 33.38 | 33.15 |
| 9 | ..... | 34.68 | 32.27 | ..... | ..... | 33.85 | ..... | 33.35 | 33.10 |
| 10 | ..... | 34.59 | 32.27 | ..... | 33.21 | 33.71 | ..... | 33.35 | 33.09 |
| 11 | ..... | 34.52 | 32.28 | 32.65 | 33.23 | 33.63 | ..... | 33.33 | 33.10 |
| 12 | 34.94 | 34.33 | 32.28 | 32.66 | 33.24 | 33.59 | ..... | 33.31 | 33.12 |
| 13 | 34.94 | 33.21 | 32.26 | 32.68 | 33.26 | 33.79 | ..... | 33.32 | 33.13 |
| 14 | 34.89 | ..... | 32.28 | 32.71 | 33.27 | 33.63 | ..... | 33.32 | 33.13 |
| 15 | 34.90 | 32.59 | 32.28 | 32.74 | 33.29 | ..... | ..... | 33.29 | 33.15 |
| 16 | 34.89 | 32.86 | 32.28 | 32.76 | 33.30 | ..... | ..... | 33.24 | 33.13 |
| 17 | 34.88 | 32.94 | 32.28 | 32.79 | 33.31 | ..... | ..... | 33.21 | 33.12 |
| 18 | 34.89 | 32.99 | 32.28 | ..... | 33.32 | ..... | ..... | 33.24 | 33.12 |
| 19 | 34.90 | 33.00 | 32.28 | ..... | 33.33 | ..... | 33.64 | 33.25 | 33.13 |
| 20 | ..... | 32.98 | 32.30 | 32.87 | 33.33 | ..... | 33.66 | 33.27 | 33.09 |
| 21 | ..... | 32.96 | ..... | 32.89 | 33.33 | ..... | 33.68 | 33.23 | 33.07 |
| 22 | ..... | 32.95 | ..... | 32.90 | 33.35 | 33.64 | 33.72 | 33.22 | 33.12 |
| 23 | ..... | 32.95 | 32.31 | 32.90 | 33.35 | 33.66 | 33.73 | 33.24 | 33.06 |
| 24 | ..... | 32.61 | 32.33 | 32.93 | 33.37 | 33.67 | 33.74 | 33.25 | 33.04 |
| 25 | ..... | 32.14 | 32.36 | 32.95 | 33.38 | 33.67 | 33.73 | 33.23 | 33.08 |
| 26 | ..... | 32.12 | 32.37 | 32.97 | 33.41 | 33.65 | 33.71 | 33.22 | 33.07 |
| 27 | ..... | 32.15 | 32.38 | 32.99 | 33.43 | 33.65 | 33.70 | 33.18 | 33.08 |
| 28 | ..... | 32.16 | 32.41 | 33.00 | 33.44 | 33.68 | 33.68 | 33.16 | 33.08 |
| 29 | ..... | 31.49 | 32.43 | 33.03 | 33.46 | 33.66 | 33.70 | 33.17 | 33.05 |
| 30 | ..... | 30.24 | 32.45 | 33.03 | 33.49 | 33.71 | 33.72 | 33.18 | 33.05 |
| 31 | ..... | 31.51 | ..... | 33.04 | 33.50 | ..... | 33.67 | ..... | 33.00 |

(C-24-7)25. Frank Paxton. Water level, in feet below measuring point, 1941: Apr. 29, 170.89.

Millard County - Sevier Desert

(C-15-4)20dcl. Omitted in Water-Supply Paper 910. (C-15-4)20dc in Water-Supply Paper 886. Spencer Nielson. Water levels, in feet below measuring point: Apr. 30, 1940, 125.78; Dec. 11, 125.30; Mar. 26, 1941, 125.56; Nov. 27, 125.06.

(C-15-5)1aa. Omitted in Water-Supply Paper 910. I. P. Hinckley.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|----------------|-------------|
| Feb. 12, 1940 | 101.92 | Dec. 11, 1940 | 101.42 | Sept. 18, 1941 | 100.68 |
| Apr. 30 | 101.85 | Mar. 26, 1941 | 101.88 | Nov. 26 | 101.28 |

Millard County - Sevier Desert--Continued

(C-15-7)17da. Omitted in Water-Supply Paper 910. I. H. Losee. Water levels, in feet above measuring point: Apr. 29, 1940, a/ 2.62; Dec. 11, a/ 2.16; Mar. 26, 1941, a/ 2.30; Nov. 27, a/ 2.02.

(C-15-8)23bbal. Omitted in Water-Supply Paper 910. State claim 12279. C. D. Ashby. Water levels, in feet above measuring point: Apr. 29, 1940, a/ 2.62; Dec. 11, a/ 2.68; Mar. 26, 1941, a/ 2.59; Nov. 27, a/ 2.62.

(C-16-7)1dc. State claim 6643. H. W. Stiner. Water levels, in feet above measuring point, 1941: Mar. 26, a/ 7.65; Nov. 27, a/ 5.25.

(C-16-7)4abb1. L. N. Hinckley. Water levels, in feet above measuring point, 1941: Mar. 26, a/ 3.28; Nov. 27, a/ 3.20.

(C-16-7)7ccbl. Millard County. Water levels, in feet below measuring point, 1941: Mar. 26, 5.09; Nov. 27, 4.70.

(C-16-7)21acd1. Martin Tanner. Water levels, in feet below measuring point, 1941: Mar. 26, 16.63; Nov. 27, 16.40.

(C-16-7)34cdal. State claim 13205. Utah-Idaho Sugar Co. Water levels, in feet below measuring point, 1941: Mar. 26, 16.32; Nov. 27, 16.03.

(C-16-8)15ddd3. State claim 12335. Frank Foot. Water levels, in feet below measuring point, 1941: Mar. 26, 1.71; Nov. 27, 1.58.

(C-17-6)7acc2. No measurements in 1941. Measurements discontinued.

(C-17-6)7dbb2. H. H. Sherwood.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|----------|-------------|
| Jan. 20 | 5.0 | Mar. 26 | 3.36 | June 28 | 3.6 | Aug. 31 | 3.5 |
| Feb. 6 | 3.2 | May 28 | 3.2 | July 30 | 3.5 | Sept. 30 | 3.5 |
| Mar. 24 | 3.5 | | | | | | |

(C-17-6)33dcl. State claim 10288. Duluth Land Co. Water levels, in feet above measuring point, 1941: Mar. 25, 7.20; Nov. 27, 7.10.

(C-17-7)20cbb1. State claim 12287. W. J. Webb. Water levels, in feet above measuring point, 1941: Mar. 25, a/ 5.4; Nov. 27, a/ 5.4.

(C-17-7)25daal. Investors Finance Co. Water levels, in feet above measuring point, 1941: Mar. 25, a/ 3.90; Nov. 27, 4.8.

(C-17-7)30aaal. J. G. Parry. Water levels, in feet above measuring point, 1941: Mar. 25, a/ 1.94; Nov. 27, a/ 1.85.

(C-18-5)6bbal. State claim 4261. (C-18-5)5bbal in Water-Supply Paper 910. Union Pacific Railroad. Water levels, in feet above measuring point, 1941: Mar. 25, 25.6; Nov. 27, 24.7.

(C-18-7)5aaa2. S. A. Webb. Water levels, in feet above measuring point, 1941: Mar. 25, a/ 5.8; Nov. 27, a/ 5.4.

Millard County - Snake Valley^{9/}

(C-16-19)4add1. No measurements in 1941. Measurements discontinued.

(C-18-19)20dad1. Mrs. Ward Robinson. Water level, in feet below measuring point, 1941: Sept. 18, 25.37.

(C-18-19)20ddd1. State claim 7420. Louise Robinson. Water level, in feet below measuring point, 1941: Sept. 18, 27.95.

(C-20-19)6bcc. G. A. Bellander. Water level, in feet above measuring point, 1941: Sept. 18, a/ 6.9.

(C-20-19)7aab. G. S. Quayte. Water level, in feet above measuring point, 1941: Sept. 18, a/ 6.4.

^{9/} For other wells in this valley, see page
a Well flowing prior to measurement.

Millard County - Snake Valley--Continued

(C-20-19)7bbd. Marcus Sorenson. Water level, in feet above measuring point, 1941: Sept. 18, a/ 2.75.

(C-20-19)16bdcl. State claim 4024. F. G. Schumaker. Water level, in feet below measuring point, 1941: Sept. 18, 3.56.

(C-22-19)6bc. No measurements in 1941. Measurements discontinued.

(C-23-19)9cc. Fred Loper. Water level, in feet below measuring point, 1941: Sept. 18, 13.37.

(C-23-19)9cdb1. (C-23-19)9cb in Water-Supply Paper 910. Thomas Dearden. Water level, in feet below measuring point, 1941: Sept. 18, 16.79.

Morgan County

(A-3-2)14dc. Earl Walker. Water levels, in feet below measuring point, 1941: Mar. 14, 55.36; Sept. 27, 53.05; Dec. 12, 54.71.

(A-3-2)24cbal. State claim 12405. Hyrum Adams. Water levels, in feet below measuring point, 1941: Mar. 14, 17.55; Sept. 27, 16.58; Dec. 12, 17.61.

(A-4-2)6cdal. Axel Olsen. Water level, in feet below measuring point, 1941: Mar. 14, 25.86; Sept. 27, well destroyed. Measurements discontinued.

(A-4-2)8ccd1. State claim 12133. L. H. Kobabe. Water levels, in feet below measuring point, 1941: Mar. 14, 17.56; Sept. 27, 17.57; Dec. 12, 19.61.

(A-4-2)15ccc. State claim 6594. Jake Pentz. Water levels, in feet below measuring point, 1941: Mar. 14, 22.52; Dec. 12, 22.00.

(A-4-2)17dbdl. Heber Anderson Estate. Water levels, in feet below measuring point, 1941: Mar. 14, 15.10; Sept. 27, 15.81; Dec. 12, 15.03.

(A-4-2)26cc. State application 11666. J. C. Little. Water levels, in feet below measuring point, 1941: Mar. 14, 17.86; Sept. 27, 10.66; Dec. 12, 12.78.

(A-4-2)27dddl. State claim 14744. J. C. Little. Water levels, in feet below measuring point, 1941: Mar. 14, 10.85; Sept. 27, 3.84; Dec. 12, 6.17.

(A-4-2)28baal. State claim 9247. Morgan County School District. Water levels, in feet below measuring point, 1941: Mar. 14, 25.62; Sept. 27, 25.00; Dec. 12, 25.30.

(A-4-2)35cddl. State claim 11785. Albert Wiggins. Water level, in feet below measuring point, 1941: Dec. 12, 26.22.

(A-4-2)36cbd1. State application 11813. Morgan County. No measurements in 1941. Measurements discontinued.

(A-4-3)31bcc. Morgan County. Water level, in feet below measuring point, 1941: Dec. 12, 24.42.

(A-4-3)31cab1. State claim 12410. Como Springs Resort Co. Water levels, in feet below measuring point, 1941: Mar. 14, 5.04; Sept. 27, 3.82; Dec. 12, 4.44.

(A-4-4)30aaa2. State claim 5670. J. A. Millyard. Water levels, in feet below measuring point, 1941: Mar. 14, 11.95; Sept. 27, 11.33; Dec. 12, 11.34.

(A-5-1)27db. E. R. France.

Water level, in feet below measuring point, 1941

| Date | Water level inside of casing | Water level outside of casing | Date | Water level inside of casing | Water level outside of casing |
|----------|------------------------------------|-------------------------------------|---------|------------------------------------|-------------------------------------|
| Mar. 14 | 1.46 | 1.97 | Dec. 12 | 0.97 | 1.63 |
| Sept. 27 | .99 | 1.82 | | | |

a Well flowing prior to measurement.

Piute County

(C-27-1)15cbb1. State claim 12745. Talmage Bagley. Water levels, in feet below measuring point, 1941: Mar. 20, 11.01; Dec. 3, 10.36.

(C-27-1)27abc2. State claim 2905. H. B. Crandall. Water levels, in feet above measuring point, 1941: Mar. 20, a/ 1.78; Dec. 3, a/ 2.80.

(C-30-2)32a. Water levels, in feet below measuring point, 1941: Mar. 21, 18.20; Oct. 8, 15.02; Dec. 3, 15.55.

(C-30-3)15bba1. (C-30-3)15bba in Water-Supply Paper 910. O. P. Jessen. Water levels, in feet below measuring point, 1941: Mar. 21, 27.29; Oct. 8, 14.38; Dec. 3, 19.62.

(C-30-4)14dca1. (C-30-4)14dc in Water-Supply Paper 910. Earl Whitaker. Water levels, in feet above measuring point, 1941: Mar. 21, a/ 3.68; Dec. 3, a/ 6.0.

(C-30-4)25bcc1. State claim 8210. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 21, 23.70; Oct. 8, 16.56; Dec. 3, 18.72.

Rich County

(A-9-7)16ba. State claim 8218. Drought Relief Administration.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 22 | 37.44 | Apr. 21 | 35.19 | Aug. 16 | 36.48 | Oct. 10 | 40.74 |
| Mar. 5 | 36.79 | June 26 | 30.75 | Oct. 1 | 40.04 | Dec. 3 | 38.75 |

(A-9-7)25cbc. Deseret Livestock Co.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|--------|-------|--------|-------|
| Mar. 5 | 17.67 | June 26 | 13.31 | Oct. 1 | 16.60 | Dec. 3 | 16.27 |
| Apr. 24 | 16.44 | Aug. 16 | 14.41 | 10 | 16.64 | | |

(A-9-8)17ac. State claim 6837. S. Francis and Sons Co.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|------|-------------|
| Apr. 24 | 6.63 | Aug. 16 | 5.27 | Oct. 10 | 5.70 | | |
| June 26 | 2.97 | Oct. 1 | 5.86 | Dec. 3 | 6.23 | | |

(A-10-7)20aaa1. State claim 1886. Joseph Hatch.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 22 | 11.09 | Apr. 24 | 10.64 | Aug. 16 | 7.75 | Oct. 10 | 9.35 |
| Mar. 5 | 12.01 | June 26 | 2.13 | Oct. 1 | 9.06 | Dec. 3 | 10.54 |

(A-11-7)9cd1. F. H. Jackson.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|------|-------------|
| Jan. 22 | 16.85 | Aug. 16 | 10.70 | Oct. 10 | 11.98 | | |
| June 26 | 9.42 | Oct. 1 | 12.04 | Dec. 3 | 10.25 | | |

(A-11-7)9cd2. F. H. Jackson. Water level, in feet below measuring point, 1941: Oct. 10, 16.17.

(A-11-7)21bc. Loren Jackson. Water level, in feet below measuring point, 1941: Oct. 10, 9.20.

(A-12-7)26bb1. William Hoffman. Water level, in feet below measuring point, 1941: Oct. 10, 6.80.

a Well flowing prior to measurement.

Rich County--Continued

(A-12-7)26bb2. William Hoffman.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 22 | 10.20 | Apr. 24 | 6.50 | Aug. 16 | 7.64 | Oct. 10 | 6.55 |
| Mar. 5 | 10.15 | June 26 | 3.71 | Oct. 1 | 8.45 | Dec. 3 | 6.61 |

(A-13-5)10bbb1. Thomas Hodges.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|--------|-------------|
| Jan. 20 | 17.20 | Apr. 23 | 18.17 | Aug. 14 | 14.06 | Dec. 1 | 16.95 |
| Mar. 4 | 20.32 | June 24 | 15.50 | Sept. 30 | 15.91 | | |

(A-13-5)10bbb2. Thomas Hodges. Water levels, in feet below measuring point, 1941: June 24, 17.90; Aug. 14, 16.76; Sept. 30, 18.19; Oct. 10, 18.17.

(A-13-5)21ad. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Apr. 23, 8.67; Oct. 10, 13.54.

(A-13-5)22bd. Willis Brothers.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 20 | 22.34 | Apr. 23 | 23.18 | Aug. 14 | 22.77 | Oct. 10 | 22.8 |
| Mar. 4 | 22.79 | June 24 | 23.15 | Sept. 30 | 22.68 | Dec. 1 | 23.16 |

(A-13-5)22da. Max Green.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 20 | 18.94 | Apr. 23 | 18.88 | Aug. 14 | 19.59 | Oct. 10 | 20.17 |
| Mar. 4 | 19.02 | June 24 | 19.09 | Sept. 30 | 20.11 | Dec. 1 | 20.31 |

(A-13-5)25db. Willis Brothers. Water level, in feet below measuring point, 1941: Oct. 10, 6.92.

(A-13-6)30bb. Rich County.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 20 | 3.40 | Apr. 23 | 3.35 | Aug. 14 | 2.63 | Oct. 10 | 2.00 |
| Mar. 4 | 3.38 | June 24 | 3.34 | Sept. 30 | 2.75 | Dec. 1 | 3.84 |

(A-14-5)16cdc. Mrs. David Cook.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 20 | 25.37 | Apr. 23 | 27.71 | Aug. 14 | 10.79 | Oct. 10 | 18.20 |
| Mar. 4 | 26.91 | June 24 | 11.60 | Sept. 30 | 16.70 | Dec. 1 | 22.19 |

(A-14-5)21bda. J. W. Gibbons.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 20 | 22.81 | Apr. 23 | 25.53 | Aug. 14 | 9.47 | Oct. 10 | 16.20 |
| Mar. 4 | 24.64 | June 24 | 10.32 | Sept. 30 | 15.14 | Dec. 1 | 19.78 |

(A-14-5)21bdb. Alex Johnson.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|---------|-------------|------|-------------|
| Mar. 4 | 23.84 | Aug. 14 | 7.21 | Oct. 10 | 14.64 | | |
| Apr. 23 | 24.75 | Sept. 30 | 13.31 | Dec. 1 | 18.64 | | |

(A-14-5)21bd. Thomas Hodges.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 20 | 19.09 | Apr. 23 | 21.57 | Aug. 14 | 6.11 | Oct. 10 | 12.50 |
| Mar. 4 | 20.74 | June 24 | 7.10 | Sept. 30 | 11.47 | Dec. 1 | 15.97 |

Rich County--Continued

(A-14-5)21cd. C. W. Pope.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 20 | 7.99 | Apr. 23 | 8.35 | Aug. 14 | 6.42 | Oct. 10 | 5.92 |
| Mar. 4 | 7.79 | June 24 | 6.50 | Sept. 30 | 6.97 | Dec. 1 | 7.21 |

(A-15-5)32cd. L. E. Scofield.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 20 | 27.78 | Apr. 23 | 28.67 | Aug. 14 | 19.27 | Oct. 10 | 23.98 |
| Mar. 4 | 28.58 | June 2 | 9.13 | Sept. 30 | 22.62 | Dec. 1 | 27.52 |

Salt Lake County

(B-1-1)6ccal. State claim 747. Rudy Gun Club. Water levels, in feet above measuring point, 1941: Mar. 15, a/ 15.9; Dec. 8, a/ 16.4.(B-1-1)26ddc2. L. T. Farnsworth. Water levels, in feet above measuring point, 1941: Mar. 15, a/ 4.30; Oct. 15, a/ 3.95; Dec. 8, a/ 4.30.

(B-1-1)33cdal. State claim 8867. Salt Lake City Corporation. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|---------|-------|---------|-------|
| Jan. 13 | 12.9 | Apr. 21 | 13.5 | Aug. 1 | 13.25 | Oct. 30 | 13.6 |
| 25 | 13.2 | May 5 | 13.6 | 14 | 12.9 | Nov. 6 | 13.95 |
| Feb. 14 | 13.2 | 23 | 13.0 | Sept. 5 | 13.05 | 26 | 13.75 |
| Mar. 6 | 13.55 | June 2 | 13.1 | 25 | 13.2 | Dec. 10 | 13.95 |
| 22 | 13.35 | 27 | 12.8 | Oct. 8 | 13.5 | 22 | 13.8 |
| Apr. 11 | 13.35 | July 20 | 13.05 | 22 | 13.6 | | |

(B-1-1)36abcl. Utah Oil Company. Measurements by Salt Lake City Corporation.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|------|---------|-------|---------|------|
| Jan. 8 | 9.55 | May 2 | 5.65 | July 23 | 8.65 | Oct. 8 | 9.63 |
| 21 | 9.45 | 15 | 5.80 | 31 | 9.10 | 22 | 9.35 |
| Feb. 9 | 9.14 | 26 | 6.80 | Aug. 9 | 9.97 | 30 | 9.16 |
| 26 | 8.22 | June 6 | 7.20 | 15 | 10.23 | Nov. 6 | 9.08 |
| Mar. 17 | 8.15 | 19 | 7.82 | 25 | 10.62 | 26 | 8.10 |
| Apr. 1 | 6.86 | 27 | 7.80 | Sept. 5 | 11.35 | Dec. 10 | 7.78 |
| 10 | 7.28 | July 11 | 8.49 | 24 | 10.30 | 22 | 7.52 |
| 22 | 6.16 | | | | | | |

(B-1-2)36baal. State claim 18176. E. J. Jeremy. Stock well, diameter 2 inches, depth 464 feet. Measuring point, top of concrete block, 3.5 feet above land surface.

Water level, in feet above measuring point, 1931-33, 1941

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|-------------|-------------|---------------|-------------|
| Oct. 9, 1931 | a 10.4 | May 3, 1932 | a 10.5 | Jan. 10, 1933 | a 10.0 |
| Nov. 12 | a 11.1 | June 9 | a 10.7 | Mar. 20 | a 9.2 |
| Dec. 15 | a 10.5 | July 8 | a 10.6 | June 2, 1941 | a 10.85 |
| Jan. 9, 1932 | a 9.5 | Aug. 12 | a 10.3 | July 16 | a 10.3 |
| 22 | a 10.6 | Sept. 14 | a 10.2 | Sept. 3 | a 10.8 |
| Feb. 5 | a 11.3 | Oct. 6 | a 10.5 | Oct. 15 | a 11.0 |
| Mar. 7 | a 10.8 | Nov. 3 | a 10.0 | Dec. 8 | a 11.2 |
| Apr. 11 | a 10.9 | Dec. 13 | a 10.1 | | |

a Well flowing prior to measurements.

Salt Lake County--Continued

(C-1-1)2cdal J. D. Brown. Measurements by Salt Lake City Corporation.
Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 13 | 2.45 | Apr. 21 | 3.6 | Aug. 1 | 2.5 | Oct. 22 | 2.9 |
| 25 | 2.5 | May 5 | 3.5 | 14 | 2.4 | 30 | 3.1 |
| Feb. 14 | 3.15 | 23 | 3.2 | Sept. 5 | 2.6 | Nov. 6 | 3.1 |
| Mar. 6 | 2.7 | June 2 | 3.2 | 25 | 3.5 | Dec. 10 | 3.25 |
| 22 | 3.2 | 27 | 1.9 | Oct. 8 | 2.8 | 22 | 3.2 |
| Apr. 11 | 3.5 | | | | | | |

(C-1-1)15abb2. State claim 9172. Eva Davis. Measurements by Salt Lake City Corporation.

| Water level, in feet above measuring point, 1941 | | | | | | | |
|--|------|---------|------|---------|------|---------|------|
| Jan. 13 | 3.6 | Apr. 21 | 4.05 | Aug. 1 | 2.7 | Oct. 30 | 3.25 |
| 25 | 3.25 | May 5 | 3.7 | 14 | 2.6 | Nov. 6 | 3.4 |
| Feb. 14 | 3.4 | 23 | 3.6 | Sept. 5 | 2.6 | 26 | 3.1 |
| Mar. 6 | 3.75 | June 2 | 3.8 | 25 | 2.75 | Dec. 10 | 3.1 |
| 22 | 4.0 | 27 | 2.65 | Oct. 8 | 3.0 | 22 | 3.3 |
| Apr. 11 | 4.05 | July 20 | 2.6 | 22 | 3.4 | | |

(C-1-1)18bbal. State claim 15668. J. C. Phelps. Irrigation well, diameter 2 inches, depth 315 feet. Measuring point, top of ell on casing, 1.3 feet above land surface and 4,239 feet above mean sea level. Water levels, in feet above measuring point, 1941: June 2, a/ 0.75; July 16, a/ .65; Sept. 3, a/ 1.18; Oct. 15, a/ 1.00.

(C-1-1)22bdal. State claim 2199. William Gedge. Water levels, in feet above measuring point, 1941: Mar. 15, 9.8; Dec. 8, 10.7.

(C-1-1)28cddl. No measurements in 1941. Measurements discontinued.

(C-1-1)33abbl. State claim 7547. W. D. Hill. Water levels, in feet above measuring point, 1941: Mar. 15, a/ 15.1; Oct. 15, a/ 17.8; Dec. 8, a/ 17.6.

(C-1-2)5bbbl. State claim 13403. Morton Salt Co. Valve open to plant prior to all measurements.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|
| Mar. 15 | 16.8 | July 16 | 16.0 | Oct. 15 | 17.0 |
| June 2 | 16.5 | Sept. 3 | 16.8 | Dec. 8 | 17.0 |

(C-1-2)19bddl. State application 11821. Utah Copper Co. Water levels, in feet below measuring point, 1941: Mar. 15, 3.15; Oct. 15, 1.54; Dec. 8, 2.02.

(C-1-2)19dadl. State claim 5828. Utah Copper Co. Water levels, in feet above measuring point, 1941: Mar. 15, 7.25; Oct. 15, a/ 9.9; Dec. 8, 9.3.

(C-1-2)21laddl. No measurements in 1941. Measurements discontinued.

(C-1-2)22cbbbl. F. E. Fowler. Measuring point since Mar. 15, 1941 is top of casing 0.3 foot below top of ell and 2.0 feet above land surface. Water levels, in feet above measuring point, 1941: Mar. 15, a/ 10.7; Oct. 15, a/ 13.9; Dec. 8, a/ 12.7.

(C-1-2)25dccl. No measurements in 1941. Measurements discontinued.

(C-2-1)1bab2. State claim 4058. C. S. Walters. Measurements by Salt Lake City Corporation.

a Well flowing prior to measurements.

Salt Lake County--Continued

(C-2-1)1bab2.--Continued.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 13 | 17.95 | Apr. 18 | 19.6 | Aug. 2 | 14.75 | Nov. 1 | 19.05 |
| 24 | 18.05 | May 1 | 18.7 | 13 | 15.2 | 15 | 19.2 |
| Feb. 15 | 13.10 | 16 | 16.1 | Sept. 15 | 14.7 | 29 | 18.75 |
| Mar. 5 | 19.15 | June 4 | 15.5 | Oct. 3 | 16.7 | Dec. 12 | 18.8 |
| 19 | 19.2 | 25 | 14.2 | 11 | 17.85 | 24 | 18.9 |
| Apr. 9 | 19.4 | July 15 | 13.5 | 22 | 17.65 | | |

(C-2-1)10bad1. E. B. Lindsay. Water levels, in feet below measuring point, 1941: Mar. 15, 14.58; Oct. 15, 5.90; Dec. 8, 8.35.

(C-2-1)22bd. W. A. Diamond. Measurements by Salt Lake City Corporation.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 15 | 75.40 | Apr. 23 | 78.45 | June 30 | 77.10 | Oct. 15 | 71.86 |
| Feb. 14 | 76.53 | May 7 | 78.90 | July 16 | 75.70 | 24 | 71.94 |
| Mar. 3 | 76.92 | 16 | 78.94 | Aug. 2 | 74.44 | Nov. 28 | 73.28 |
| 17 | 77.27 | 29 | 78.32 | 13 | 73.95 | Dec. 9 | 73.62 |
| Apr. 2 | 77.72 | June 18 | 77.55 | Oct. 2 | 71.50 | 23 | 74.23 |
| 12 | 77.98 | | | | | | |

(C-2-1)24adcl. State claim 16012. J. D. Blain. Water levels, in feet below measuring point, 1941: Mar. 15, 24.00; Oct. 15, 21.51; Dec. 8, 22.54.

(C-2-1)24ccc2. J. R. Smith. Water levels, in feet below measuring point, 1941: Mar. 15, 5.57; Oct. 15, 4.64; Dec. 8, 5.10.

(C-2-1)36abal. No measurements in 1941. Measurements discontinued.

(C-3-1)14bdcl. State claim 9501. B. H. Beckstead. Water levels, in feet below measuring point, 1941: Mar. 15, 12.87; Oct. 15, 9.69; Dec. 8, 10.51.

(C-3-1)15cad1. No measurements in 1941. Measurements discontinued.

(C-3-1)25aa. Sproul Brothers. Water levels, in feet below measuring point, 1941: Mar. 15, 35; Oct. 15, 32.10; Dec. 8, 32.32.

(C-3-1)26cad1. Frank Bagley. Water levels, in feet above measuring point, 1941: Mar. 15, 17.15; Oct. 15, 19.5; Dec. 8, 18.7.

(C-3-1)27cdcl. J. R. Dansie and others. Water levels, in feet below measuring point, 1941: Mar. 15, 32.85; Oct. 15, 24.24; Dec. 8, 26.83.

(D-1-1)5aad1. State claim 4838. Salt Lake County Corporation.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 1 | 102.44 | 102.32 | 102.25 | 102.19 | 102.33 | ..... | 101.56 | 100.72 | 99.84 | 99.54 | 99.69 | 99.85 |
| 2 | 102.46 | 102.36 | 102.28 | 102.24 | 102.32 | ..... | 101.53 | 100.74 | 99.74 | 99.52 | 99.69 | 99.75 |
| 3 | 102.39 | 102.35 | 102.42 | 102.33 | 102.32 | 102.12 | 101.47 | 100.71 | 99.86 | 99.61 | 99.78 | 99.61 |
| 4 | 102.26 | 102.31 | 102.36 | 102.30 | 102.53 | 102.08 | 101.44 | 100.68 | 99.88 | 99.47 | 99.82 | 99.82 |
| 5 | 102.21 | 102.22 | 102.41 | 102.22 | 102.37 | 102.10 | ..... | 100.65 | 99.83 | 99.56 | 99.64 | 99.77 |
| 6 | 102.28 | 102.14 | 102.51 | 102.36 | 102.42 | 102.07 | ..... | 100.59 | 99.69 | 99.68 | 99.80 | 99.84 |
| 7 | 102.29 | 102.18 | 102.55 | 102.35 | 102.54 | 101.99 | ..... | 100.52 | 99.74 | 99.62 | 99.89 | 99.91 |
| 8 | 102.36 | 102.28 | 102.50 | 102.35 | 102.30 | 102.04 | 101.29 | 100.46 | 99.79 | 99.67 | 99.80 | 99.82 |
| 9 | 102.39 | 102.22 | 102.47 | 102.18 | 102.29 | 102.08 | 101.29 | 100.44 | 99.71 | 99.76 | 99.75 | 99.68 |
| 10 | 102.33 | 102.23 | 102.41 | 102.11 | 102.29 | 102.11 | 101.24 | 100.41 | 99.71 | 99.67 | 99.81 | 99.70 |
| 11 | 102.25 | 102.00 | 102.39 | 102.25 | 102.26 | 102.11 | 101.25 | 100.37 | 99.60 | 99.62 | 99.80 | 99.72 |
| 12 | 102.24 | 102.15 | 102.43 | 102.23 | 102.19 | 102.05 | 101.19 | 100.37 | 99.63 | 99.55 | 99.70 | 99.78 |
| 13 | 102.24 | 102.32 | 102.36 | 102.30 | 102.14 | 101.97 | 101.19 | 100.33 | 99.60 | ..... | 99.81 | 99.84 |
| 14 | 102.18 | 102.28 | 102.40 | 102.39 | 102.24 | 101.94 | 101.18 | 100.29 | 99.66 | ..... | 99.83 | 99.80 |
| 15 | 102.29 | 102.24 | 102.45 | 102.30 | 102.27 | 101.95 | 101.21 | 100.28 | 99.71 | 99.75 | 99.77 | 99.83 |

Salt Lake County--Continued

(D-1-1)5aad1.--Continued

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 16 | 102.35 | 102.31 | 102.48 | 102.32 | 102.30 | 101.93 | 101.22 | 100.25 | 99.72 | 99.66 | 99.63 | 99.77 |
| 17 | 102.43 | 102.25 | 102.44 | 102.34 | 102.20 | 101.85 | 101.20 | 100.21 | 99.65 | 99.65 | 99.57 | 99.81 |
| 18 | 102.39 | 102.23 | 102.40 | 102.33 | 102.15 | 101.84 | 101.14 | 100.22 | 99.60 | 99.61 | 99.76 | 99.84 |
| 19 | 102.30 | 102.25 | 102.35 | 102.41 | ..... | 101.83 | 101.12 | 100.14 | 99.54 | 99.54 | 99.85 | 99.86 |
| 20 | 102.25 | 102.30 | 102.34 | 102.44 | 102.29 | 101.82 | 101.10 | 100.10 | 99.58 | 99.56 | 99.94 | 99.73 |
| 21 | 102.32 | 102.26 | 102.46 | 102.38 | 102.23 | 101.85 | 101.06 | 100.05 | 99.65 | 99.66 | 99.85 | 99.72 |
| 22 | 102.20 | 102.24 | 102.45 | 102.40 | 102.21 | 101.81 | 100.99 | 100.05 | 99.56 | 99.74 | 99.86 | 99.87 |
| 23 | 102.27 | 102.26 | 102.38 | 102.41 | 102.24 | 101.84 | 100.88 | 100.00 | 99.64 | 99.72 | 99.96 | 99.64 |
| 24 | 102.19 | ..... | 102.40 | 102.40 | 102.19 | 101.82 | 100.91 | 99.96 | 99.68 | 99.70 | 99.98 | 99.64 |
| 25 | 102.30 | 102.30 | 102.45 | 102.36 | 102.15 | 101.69 | 100.90 | 99.95 | 99.66 | 99.65 | 99.91 | 99.79 |
| 26 | 102.32 | 102.39 | 102.44 | 102.38 | 102.11 | 101.63 | 100.86 | 99.96 | 99.57 | ..... | 99.89 | 99.80 |
| 27 | 102.46 | 102.43 | 102.43 | 102.39 | 102.12 | 101.57 | 100.85 | 99.94 | 99.65 | ..... | 99.83 | 99.89 |
| 28 | 102.36 | 102.34 | 102.42 | 102.38 | 102.10 | 101.62 | 100.84 | 99.90 | 99.68 | 99.61 | 99.80 | 99.88 |
| 29 | 102.31 | ..... | 102.31 | 102.36 | 102.11 | 101.60 | 100.86 | 99.88 | 99.61 | 99.71 | 99.85 | 99.75 |
| 30 | 102.30 | ..... | 102.37 | 102.35 | 102.08 | 101.58 | 100.81 | 99.96 | 99.70 | 99.80 | 99.85 | 99.71 |
| 31 | 102.34 | ..... | 102.22 | ..... | ..... | ..... | 100.74 | 99.92 | ..... | 99.74 | ..... | 99.69 |

(D-1-1)6cod1. Royal Laundry Co. Measurements by Salt Lake City Corporation.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 14 | 18.35 | May 29 | 12.80 | Aug. 1 | 13.43 | Oct. 31 | 15.27 |
| Mar. 7 | 14.44 | June 19 | 12.85 | Aug. 8 | 13.63 | Nov. 22 | 14.02 |
| Apr. 18 | 13.45 | July 2 | 13.00 | Oct. 10 | 14.66 | 28 | 13.86 |
| May 2 | 13.15 | 23 | 13.22 | 24 | 14.45 | Dec. 10 | 13.60 |
| 15 | 12.95 | | | | | | |

(D-1-1)7abd6. Salt Lake City Corporation. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1941

| Jan. | 8 | 6.0 | May | 2 | 6.4 | Aug. | 9 | 4.2 | Oct. | 30 | 6.6 |
|------|----|------|------|----|------|-------|----|------|------|----|------|
| Feb. | 13 | 6.3 | | 15 | 4.6 | | 15 | 4.65 | Nov. | 8 | 6.7 |
| | 26 | 6.15 | | 26 | 5.3 | Sept. | 8 | 5.3 | | 26 | 6.75 |
| Mar. | 17 | 6.15 | June | 6 | 5.05 | | 23 | 5.3 | Dec. | 10 | 7.15 |
| Apr. | 1 | 6.45 | | 28 | 4.5 | Oct. | 8 | 6.25 | | 22 | 6.9 |
| | 10 | 6.5 | July | 23 | 5.3 | | 22 | 6.3 | | | |

(D-1-1)9acal. State claim 4836. Salt Lake City Corporation.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | ..... | 147.06 | 146.75 | 146.24 | 145.01 | 144.40 | 143.60 | 142.99 | 142.88 | 142.61 | 142.90 | 143.46 |
| 2 | ..... | 147.06 | 146.82 | 146.25 | 144.95 | 144.38 | 143.59 | 142.99 | 142.60 | 142.64 | 142.99 | 143.36 |
| 3 | ..... | 147.07 | 146.90 | 146.35 | 144.90 | 144.36 | 143.54 | ..... | 142.79 | 142.71 | 143.05 | 143.25 |
| 4 | ..... | 147.07 | 146.79 | 146.22 | 144.89 | 144.26 | 143.52 | ..... | 142.79 | 142.56 | 143.12 | 143.59 |
| 5 | ..... | 147.02 | 146.85 | 146.22 | 144.83 | 144.31 | 143.48 | 143.03 | 142.71 | 142.71 | 143.11 | 143.53 |
| 6 | ..... | 147.00 | 146.91 | 146.28 | 144.86 | 144.28 | 143.46 | 143.01 | 142.58 | 142.82 | 143.12 | 143.48 |
| 7 | 147.11 | 147.05 | 146.91 | 146.22 | 144.80 | 144.22 | 143.45 | 142.96 | 142.71 | 142.72 | 143.13 | 143.58 |
| 8 | 147.11 | 147.11 | 146.80 | 146.22 | 144.76 | 144.24 | 143.46 | 142.94 | 142.74 | 142.81 | 143.11 | 143.46 |
| 9 | 147.11 | 147.05 | 146.82 | ..... | 144.76 | 144.26 | 143.40 | 142.95 | 142.63 | 142.88 | 143.11 | 143.37 |
| 10 | 147.11 | 147.08 | 146.72 | 146.05 | 144.72 | 144.21 | 143.38 | 142.95 | 142.65 | 142.79 | 143.13 | 143.47 |
| 11 | 147.11 | 146.87 | 146.74 | 146.08 | 144.64 | 144.23 | 143.41 | 142.95 | 142.55 | 142.77 | 143.11 | 143.50 |
| 12 | 147.11 | 147.05 | 146.79 | 146.05 | 144.55 | 144.25 | 143.30 | 142.94 | 142.58 | 142.87 | 143.08 | 143.59 |
| 13 | 147.11 | 147.07 | 146.71 | 146.00 | 144.54 | 144.08 | 143.33 | 142.93 | 142.56 | 142.89 | 143.24 | 143.58 |
| 14 | 147.11 | 147.03 | 146.75 | 146.01 | 144.44 | 144.05 | 143.31 | 142.90 | 142.63 | 142.91 | 143.22 | 143.60 |
| 15 | ..... | 146.97 | 146.77 | ..... | 144.67 | 144.05 | 143.29 | 142.94 | 142.70 | ..... | 143.16 | 143.64 |
| 16 | ..... | 147.02 | 146.72 | ..... | 144.67 | 144.02 | 143.30 | 142.90 | 142.68 | ..... | 143.05 | 143.54 |
| 17 | ..... | 146.93 | 146.63 | ..... | 144.58 | 143.99 | 143.28 | 142.88 | 142.68 | ..... | 143.03 | 143.68 |

Salt Lake County--Continued

(D-1-1)9acal.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 18 | ..... | 146.95 | 146.57 | ..... | 144.65 | 143.91 | 143.24 | 142.91 | 142.65 | ..... | 143.24 | 143.72 |
| 19 | ..... | 146.96 | 146.47 | ..... | 144.71 | 143.92 | 143.25 | 142.86 | 142.61 | ..... | 143.29 | 143.70 |
| 20 | ..... | 146.96 | 146.48 | ..... | 144.63 | 143.88 | 143.24 | 142.82 | 142.65 | ..... | 143.29 | 143.58 |
| 21 | 147.11 | 146.94 | 146.52 | ..... | 144.55 | 143.90 | 143.21 | 142.79 | 142.71 | 142.86 | ..... | 143.66 |
| 22 | ..... | 146.88 | 146.44 | 145.44 | 144.55 | 143.85 | 143.14 | 142.80 | 142.66 | 142.88 | ..... | 143.78 |
| 23 | ..... | 146.92 | 146.39 | 145.40 | 144.56 | 143.78 | 143.07 | 142.75 | 142.70 | 142.87 | ..... | 143.44 |
| 24 | ..... | 146.84 | 146.43 | 145.35 | 144.50 | 143.67 | 143.10 | 142.75 | 142.74 | 142.87 | ..... | 143.61 |
| 25 | ..... | 146.94 | 146.40 | 145.29 | 144.48 | 143.73 | 143.14 | 142.76 | 142.72 | 142.86 | 143.40 | 143.74 |
| 26 | ..... | 146.93 | 146.37 | 145.26 | 144.39 | 143.69 | 143.05 | 142.73 | 142.64 | 142.88 | 143.38 | 143.69 |
| 27 | ..... | 146.89 | 146.35 | 145.23 | 144.37 | 143.64 | 143.07 | 142.71 | 142.79 | 142.86 | 143.31 | 143.77 |
| 28 | 147.00 | 146.80 | 146.30 | 145.14 | 144.38 | 143.68 | 143.14 | 142.69 | 142.73 | 142.85 | 143.36 | 143.72 |
| 29 | 147.05 | ..... | 146.25 | 145.20 | 144.41 | 143.64 | 143.10 | 142.68 | 142.69 | 142.99 | 143.40 | 143.68 |
| 30 | 147.05 | ..... | 146.35 | 145.13 | 144.39 | 143.64 | 143.05 | 142.81 | 142.78 | 143.03 | 143.46 | 143.65 |
| 31 | 147.06 | ..... | 146.16 | ..... | 144.39 | ..... | 143.00 | 142.71 | ..... | 142.92 | ..... | 143.71 |

(D-1-1)19bbal. State claim 13468. Salt Lake County Hospital.
Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 11 | 14.75 | Apr. 21 | 14.5 | Aug. 8 | 6.5 | Oct. 22 | 12.6 |
| 24 | 13.15 | May 5 | 11.85 | 25 | 8.3 | Nov. 1 | 13.3 |
| Feb. 17 | 13.9 | 15 | 9.3 | Sept. 15 | 7.8 | 15 | 13.5 |
| Mar. 3 | 14.3 | June 2 | 8.1 | 20 | 7.7 | 27 | 13.1 |
| 22 | 14.4 | July 18 | 6.1 | Oct. 4 | 10.1 | Dec. 10 | 13.3 |
| Apr. 10 | 14.5 | 27 | 9.4 | 11 | 12.0 | 24 | 13.3 |

(D-1-1)20cdc4. Louis Lund. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 8 | 2.9 | Apr. 21 | 3.35 | July 22 | 1.8 | Oct. 11 | 3.75 |
| 27 | 3.0 | May 15 | 1.75 | 31 | 2.45 | 22 | 4.0 |
| Feb. 13 | 3.2 | 28 | 2.6 | Aug. 8 | 1.8 | Nov. 14 | 4.4 |
| 26 | 3.4 | June 6 | 2.35 | 15 | 2.1 | 27 | 4.2 |
| Mar. 17 | 3.2 | 17 | 2.3 | 25 | 1.4 | Dec. 12 | 4.2 |
| 28 | 3.0 | 27 | 1.85 | Sept. 9 | 1.9 | 24 | 4.2 |
| Apr. 12 | 3.4 | July 11 | 1.65 | 25 | 3.0 | | |

(D-1-1)21accl. State claim 33. Utah State Prison. Measurements by Salt Lake City Corporation.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 9 | 78.21 | Apr. 21 | 76.45 | July 30 | 71.77 | Oct. 23 | 72.17 |
| 23 | 78.27 | May 1 | 75.75 | Aug. 8 | 72.09 | 31 | 72.27 |
| Feb. 17 | 78.27 | 12 | 74.79 | 13 | 71.63 | Nov. 14 | 71.82 |
| 28 | 77.67 | 22 | 74.50 | 23 | 72.47 | 27 | 72.07 |
| Mar. 10 | 77.05 | June 5 | 73.94 | Sept. 11 | 72.90 | Dec. 10 | 72.52 |
| Apr. 2 | 77.07 | 16 | 72.87 | 24 | 72.40 | 26 | 72.87 |
| 12 | 76.79 | 26 | 73.47 | Oct. 10 | 71.81 | | |

(D-1-1)30bbc9. L. W. Amodt. Measurements by Salt Lake City Corporation.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|--------|-------------|---------|-------------|
| Apr. 10 | 15.6 | July 27 | 4.3 | Oct. 4 | 10.1 | Nov. 15 | 14.1 |
| 21 | 15.5 | Aug. 9 | 4.55 | 10 | 12.5 | 27 | 13.25 |
| May 29 | 10.5 | 25 | 7.0 | 22 | 13.4 | Dec. 11 | 13.6 |
| June 26 | 3.75 | Sept. 15 | 6.4 | Nov. 1 | 13.8 | 24 | 13.9 |
| July 18 | 3.6 | 20 | 6.7 | | | | |

(D-1-1)31caa2. State claim 4120. William Sorenson. Measurements by Salt Lake City Corporation.

Salt Lake County--Continued

(D-1-1)31caa2.--Continued

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 13 | 12.6 | Apr. 9 | 12.4 | July 18 | 7.8 | Nov. 3 | 13.85 |
| 25 | 12.5 | 21 | 14.1 | Aug. 9 | 7.9 | 28 | 12.9 |
| Feb. 15 | 13.15 | May 2 | 13.0 | Sept. 11 | 9.3 | Dec. 11 | 12.95 |
| Mar. 6 | 14.25 | June 25 | 7.8 | Oct. 23 | 14.6 | 26 | 12.9 |
| 19 | 14.0 | | | | | | |

(D-1-1)31cad4. State claim 4121. William Sorenson. No measurements in 1941. Measurements discontinued.

(D-2-1)4dbd4. Eugene Templeman. Measurements by Salt Lake City Corporation.

Water level, in feet above or below measuring point, 1941

| Jan. | 9 | -2.56 | May 20 | -2.60 | Aug. 15 | +3.05 | Nov. 7 | +3.00 |
|---------|-------|-------|--------|-------|---------|-------|--------|-------|
| 29 | -2.85 | | 28 | -1.78 | 22 | +2.58 | 10 | +3.05 |
| Feb. 14 | -2.95 | | June 3 | -1.47 | Sept. 4 | +2.75 | 19 | +2.83 |
| 24 | -3.12 | | 17 | -1.17 | 13 | +3.12 | 28 | +2.33 |
| Mar. 1 | -3.05 | | 26 | +5.0 | 22 | +3.25 | Dec. 1 | +2.30 |
| 26 | -3.05 | | July 9 | +1.40 | 30 | +3.25 | 8 | +2.20 |
| Apr. 9 | -3.25 | | 22 | +2.20 | Oct. 7 | +3.40 | 19 | +2.04 |
| 21 | -3.15 | | 31 | +2.35 | 19 | +3.35 | 23 | +2.17 |
| 30 | -3.13 | | Aug. 8 | +2.35 | 29 | +3.35 | 30 | +1.67 |
| May 12 | -3.06 | | | | | | | |

(D-2-1)5aaa1. State claim 6685. M. L. Davis. Measurements by Salt Lake City Corporation.

Water level, in feet above or below measuring point, 1941

| Jan. | 15 | +0.99 | May 2 | +0.75 | Aug. 9 | -1.00 | Oct. 31 | +1.84 |
|---------|-------|-------|---------|-------|---------|-------|---------|-------|
| 25 | +1.05 | | 12 | +1.5 | 18 | +1.15 | Nov. 13 | +2.25 |
| Feb. 15 | +1.10 | | 27 | -3.0 | Sept. 4 | +7.0 | 26 | +1.60 |
| Mar. 1 | +1.35 | | June 2 | +2.5 | 17 | +7.0 | 27 | +1.68 |
| 17 | +1.25 | | 18 | +5.0 | Oct. 1 | +1.50 | Dec. 9 | +1.76 |
| Apr. 4 | +1.33 | | July 11 | -4.2 | 9 | +1.75 | 22 | +1.82 |
| 18 | +1.20 | | 29 | +7.5 | 23 | +1.70 | | |

(D-2-1)7bcd1. State claim 1530. American Smelting and Refining Co.

Water level at noon, in feet above measuring point, 1941

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | 21.0 | 21.0 | 21.8 | 22.0 | 20.8 | 20.7 | 18.4 | 19.2 | 18.3 | 20.5 | 21.2 | 21.7 |
| 2 | 20.8 | 21.0 | 21.4 | 22.1 | 20.7 | 20.6 | 18.3 | 19.1 | 18.1 | 20.3 | 21.1 | 21.8 |
| 3 | 21.0 | 21.1 | 21.5 | 21.8 | 20.6 | 19.9 | 18.6 | 18.7 | 17.7 | 20.4 | 20.9 | 22.0 |
| 4 | 21.1 | 21.4 | 21.7 | 22.3 | 20.9 | 20.0 | 18.7 | 19.1 | 18.5 | 20.4 | 20.9 | 21.8 |
| 5 | 21.0 | 21.1 | 21.6 | 21.7 | 20.5 | 20.2 | 18.8 | 18.9 | 19.1 | 20.1 | 20.9 | 21.9 |
| 6 | 21.0 | 21.1 | 21.8 | 21.9 | 20.6 | 20.2 | 18.7 | 18.5 | 19.7 | 20.3 | 21.0 | 21.9 |
| 7 | 21.1 | 21.2 | 21.8 | 22.1 | 20.7 | 20.7 | 18.3 | ... | 18.9 | 20.3 | 21.0 | 21.7 |
| 8 | 21.0 | 20.9 | 21.8 | 22.3 | 20.7 | 20.8 | 18.1 | ... | 18.7 | 20.7 | 20.9 | 21.7 |
| 9 | 20.9 | 21.2 | 21.8 | 22.2 | 20.2 | 20.7 | 18.1 | 18.7 | 18.9 | 21.1 | 20.8 | 21.8 |
| 10 | 20.8 | 21.5 | 21.8 | 21.9 | 20.4 | 21.4 | 17.8 | 18.8 | 19.6 | 21.4 | 20.7 | 22.0 |
| 11 | 21.3 | 21.8 | 21.9 | 21.7 | 20.0 | 21.5 | 17.7 | 19.4 | 19.3 | 21.4 | 21.2 | 21.9 |
| 12 | 21.0 | 21.4 | 21.8 | 21.8 | 19.6 | 21.2 | 17.8 | 19.5 | 18.8 | 21.4 | 21.2 | 22.0 |
| 13 | 20.6 | 21.4 | 22.1 | 21.7 | 18.8 | 21.2 | 17.7 | 19.4 | 18.5 | 20.9 | 21.1 | 22.0 |
| 14 | 20.8 | 21.6 | 21.8 | 21.6 | 18.4 | 21.0 | 18.0 | 19.5 | 18.9 | 21.0 | 21.3 | 21.8 |
| 15 | 21.2 | 21.4 | 21.9 | 21.8 | 18.8 | 20.8 | 17.7 | 19.3 | 19.1 | 21.4 | 21.2 | 21.8 |
| 16 | 20.8 | 21.2 | 22.1 | 21.3 | 18.8 | 21.2 | 17.8 | 19.1 | 19.0 | 21.3 | 21.1 | 22.1 |
| 17 | 21.0 | 21.1 | 22.1 | 21.5 | 18.8 | 20.7 | 18.0 | 19.0 | 19.0 | 21.4 | 21.0 | 22.0 |
| 18 | 21.2 | 21.4 | 22.4 | 21.6 | 18.5 | 20.1 | 18.3 | 19.3 | 18.8 | 21.5 | 21.5 | 21.8 |
| 19 | 20.8 | 21.7 | 22.3 | 21.6 | 19.0 | 19.7 | 17.8 | 19.2 | 19.3 | 21.5 | 21.7 | 22.2 |
| 20 | 20.8 | 21.5 | 21.7 | 21.6 | 20.0 | 19.6 | 18.7 | 19.7 | 19.0 | 21.3 | 21.5 | 22.2 |
| 21 | 21.2 | 21.4 | 21.8 | 21.7 | 20.1 | 19.3 | 19.2 | 19.8 | 19.2 | 21.0 | 21.6 | 22.0 |
| 22 | 21.0 | 21.7 | 21.9 | 22.2 | 20.0 | 19.2 | 19.1 | 19.5 | 19.4 | 21.2 | 21.8 | 21.9 |
| 23 | 21.2 | 21.4 | 21.8 | 21.8 | 19.7 | 19.4 | 18.5 | 19.3 | 19.7 | 21.1 | 21.8 | 22.1 |

Salt Lake County--Continued

(D-2-1)7bcd1.--Continued.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 24 | 21.1 | 21.4 | 21.6 | 21.8 | 19.6 | 19.3 | 18.2 | 18.7 | 20.2 | 21.4 | 21.7 | 22.1 |
| 25 | 21.3 | 21.4 | 21.9 | 21.4 | 19.8 | 19.0 | 18.1 | 18.7 | 20.5 | 21.0 | 21.8 | 21.9 |
| 26 | 21.0 | 21.7 | 22.2 | 21.4 | 19.7 | 18.7 | 19.1 | 19.4 | 20.4 | 21.2 | 22.0 | 22.0 |
| 27 | 20.8 | 21.8 | 22.2 | 20.7 | 20.0 | 18.6 | 19.5 | 19.4 | 20.1 | 21.2 | 21.8 | 22.0 |
| 28 | 21.3 | 22.0 | 22.3 | 20.9 | 20.7 | 18.1 | 20.0 | 19.0 | 20.2 | 21.4 | 21.9 | 21.8 |
| 29 | 21.0 | .... | 22.4 | 21.2 | 20.9 | 18.1 | 19.4 | 18.1 | 20.2 | 21.2 | 21.9 | 21.9 |
| 30 | 21.2 | .... | 22.2 | 20.3 | 20.8 | 18.6 | 19.7 | 18.0 | 19.8 | .... | 21.7 | 22.1 |
| 31 | 21.2 | .... | 22.2 | .... | 20.6 | .... | 19.4 | 18.1 | .... | 21.2 | .... | 22.0 |

(D-2-1)8ada3. Chester Cahoon.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | 8.3 | 8.9 | 9.3 | 9.4 | 10.3 | 10.3 | 10.3 | a3.8 | 10.7 | 10.9 | 11.2 | 11.0 |
| 2 | 8.2 | 8.9 | 9.2 | 9.5 | 10.3 | 10.3 | 10.2 | a9.0 | a3.9 | 10.9 | 11.1 | 11.0 |
| 3 | 8.3 | 8.9 | 9.2 | 9.5 | 10.2 | 10.2 | a7.5 | 10.4 | 10.3 | 11.3 | 11.2 | 11.4 |
| 4 | 8.3 | 8.6 | 9.2 | 9.6 | 10.0 | 10.4 | 10.5 | a3.6 | 10.6 | 11.3 | 11.2 | 10.9 |
| 5 | 8.5 | 8.8 | 9.2 | 9.3 | 10.1 | 10.4 | 10.7 | a3.7 | 11.0 | 10.7 | 11.1 | 10.9 |
| 6 | 8.6 | 9.0 | 9.3 | 9.5 | 10.0 | 10.4 | 10.7 | a3.7 | a4.4 | 10.9 | 11.1 | 10.9 |
| 7 | 8.5 | 9.2 | 9.3 | 9.5 | 10.2 | 10.6 | a4.0 | a3.6 | 10.6 | 10.9 | 11.1 | 10.8 |
| 8 | 8.6 | 9.2 | 9.3 | 10.3 | 10.2 | 10.4 | a3.8 | a3.7 | 10.7 | 11.0 | 11.1 | 10.7 |
| 9 | 8.6 | 9.3 | 9.3 | 10.4 | 10.1 | 10.2 | a3.7 | 10.4 | 11.1 | 11.2 | 11.1 | 10.9 |
| 10 | 8.5 | ... | 9.3 | 10.4 | 10.0 | 10.5 | a8.1 | 10.7 | a4.8 | 11.4 | 10.9 | 11.0 |
| 11 | 8.4 | 9.4 | 9.2 | 10.3 | 10.0 | 10.6 | a8.1 | a5.3 | a4.2 | 11.6 | 11.1 | 10.9 |
| 12 | 8.6 | 9.4 | 9.3 | 10.2 | a3.5 | 10.6 | 10.4 | a7.0 | a4.1 | 11.5 | 11.2 | 10.9 |
| 13 | 8.6 | 9.4 | 9.5 | 10.3 | a3.0 | 10.8 | 10.7 | 10.7 | 10.4 | 10.9 | 11.2 | 10.9 |
| 14 | 8.5 | 9.4 | 9.4 | 10.2 | a9.5 | 10.9 | a6.5 | 10.8 | 10.8 | 11.2 | 11.2 | 10.9 |
| 15 | 8.7 | 9.3 | 9.4 | 10.2 | a9.6 | 10.8 | a3.5 | 10.8 | 10.7 | 11.2 | 11.1 | 10.9 |
| 16 | 8.7 | 9.3 | 9.4 | 10.0 | a7.5 | 10.7 | a6.4 | 11.1 | 10.9 | 11.2 | 11.4 | 11.1 |
| 17 | 8.5 | 9.4 | 9.5 | 10.2 | 9.9 | 10.5 | a9.1 | 11.1 | a4.3 | 11.4 | 11.1 | 10.9 |
| 18 | 8.6 | 9.2 | 9.5 | 10.4 | a9.6 | 10.5 | a7.1 | 10.7 | 10.9 | 11.5 | 10.9 | 10.8 |
| 19 | 8.6 | 9.3 | 9.5 | 10.0 | a9.6 | 10.5 | 10.4 | 11.0 | 11.2 | 11.4 | 10.9 | 10.9 |
| 20 | 8.8 | 9.4 | 9.4 | 10.4 | 10.2 | 10.6 | 10.6 | 10.9 | 10.9 | 11.1 | 10.9 | 11.2 |
| 21 | 8.7 | 9.4 | 9.4 | 10.5 | 10.1 | 10.7 | 10.7 | 11.0 | 10.7 | 11.0 | 11.0 | 10.9 |
| 22 | 8.8 | 9.4 | 9.4 | 10.4 | 10.1 | 10.4 | a9.4 | a8.6 | 10.7 | 11.1 | 11.0 | 10.7 |
| 23 | 9.0 | 9.2 | 9.4 | 10.2 | 9.9 | 10.6 | a3.7 | a4.1 | 10.8 | 11.2 | 10.9 | 10.9 |
| 24 | 9.0 | 9.3 | 9.3 | 10.3 | 10.0 | a5.0 | 10.3 | 11.0 | 11.1 | 11.3 | 10.8 | 10.9 |
| 25 | 9.0 | 9.1 | 9.3 | 10.3 | 10.2 | a7.1 | 10.6 | 10.8 | 11.3 | 11.0 | 11.0 | 10.8 |
| 26 | 8.9 | 9.2 | 9.4 | 10.3 | 10.2 | 10.5 | 11.0 | 11.0 | a4.7 | 11.1 | 10.9 | 10.7 |
| 27 | 8.8 | 9.3 | 9.4 | 10.0 | 10.4 | a7.7 | 10.9 | a4.0 | 11.0 | 11.1 | 10.9 | 10.7 |
| 28 | 8.8 | 9.4 | 9.5 | 10.0 | 10.3 | 10.2 | 11.0 | a3.9 | 11.2 | 11.1 | 11.1 | 10.7 |
| 29 | 8.9 | ... | 9.5 | 10.2 | 10.4 | 10.2 | 10.5 | a4.3 | a5.0 | 11.0 | 11.1 | 10.8 |
| 30 | 9.0 | ... | 9.5 | 10.1 | 10.5 | a9.0 | a9.5 | a4.5 | 11.1 | 11.0 | 10.9 | 10.8 |
| 31 | 9.0 | ... | 9.6 | .... | 10.5 | .... | a7.7 | 10.8 | .... | 11.1 | .... | 10.8 |

(D-2-1)8bbb1. State claim 218. A. B. and T. E. Hogge. Measurements by Salt Lake City Corporation.

Water level, in feet above or below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 8 | -0.30 | Apr. 28 | -0.40 | July 26 | -1.46 | Oct. 23 | -0.54 |
| 23 | -.25 | May 12 | -1.90 | Aug. 6 | -3.26 | 29 | -.35 |
| Feb. 13 | -.30 | 24 | -1.50 | 18 | -1.02 | 30 | -.38 |
| Mar. 1 | -1.10 | 29 | -.57 | Sept. 5 | -1.30 | Nov. 7 | -.22 |
| 17 | .00 | June 2 | -1.25 | 17 | -2.30 | 27 | -.46 |
| Apr. 4 | +.05 | 14 | -1.70 | Oct. 1 | -1.17 | Dec. 9 | -.55 |
| 17 | -.14 | July 11 | -2.95 | 9 | -.78 | 23 | -.63 |

a Adjacent well discharging.

Salt Lake County--Continued

(D-2-1)15acc1. M. A. Keyser. Tape measurements prior to April 26.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | | | | | 71.00 | 67.00 | 61.67 | 59.49 | 60.92 | 62.99 | 64.87 | 65.64 |
| 2 | | | | 72.93 | 71.00 | 66.72 | 61.46 | 59.49 | 60.92 | 63.00 | 64.76 | 65.62 |
| 3 | | | | | 71.06 | 66.45 | 61.29 | 59.49 | 61.12 | 63.16 | 64.88 | 65.52 |
| 4 | | | | | 71.06 | 66.15 | 61.11 | 59.50 | 61.18 | 63.17 | 64.93 | 65.78 |
| 5 | | | | | 71.06 | 65.95 | 60.98 | 59.60 | 61.18 | 63.18 | 64.94 | 65.92 |
| 6 | | | | | 70.98 | 65.62 | 60.83 | 59.73 | 61.17 | 63.43 | 64.94 | 65.90 |
| 7 | | | | | 70.83 | 65.28 | 60.65 | 59.75 | 61.17 | 63.46 | 64.97 | 65.87 |
| 8 | | | | | 70.72 | 65.25 | 60.52 | 59.75 | 61.30 | 63.48 | 64.98 | 65.85 |
| 9 | 72.50 | ..... | ..... | 72.18 | 70.70 | 65.09 | 60.52 | 59.75 | 61.34 | 63.70 | 64.99 | 65.82 |
| 10 | | | | | 70.70 | 64.95 | 60.45 | 59.79 | 61.40 | 63.71 | 65.00 | 65.81 |
| 11 | | | 74.40 | ..... | 70.51 | 64.70 | 60.28 | 59.79 | 61.44 | 63.73 | 65.00 | 65.88 |
| 12 | | | | | 70.33 | 64.42 | 60.20 | 59.91 | 61.58 | 63.81 | 65.06 | 66.00 |
| 13 | | | | | 70.24 | 64.10 | 60.12 | 59.98 | 61.59 | 63.99 | 65.08 | 66.10 |
| 14 | | 74.05 | ..... | ..... | 70.15 | 63.93 | 60.10 | ..... | 61.72 | 64.14 | 65.09 | 66.11 |
| 15 | | | | | 70.15 | 63.90 | 60.06 | ..... | 61.82 | 64.15 | 65.02 | 66.16 |
| 16 | | | | | 70.14 | 63.70 | 60.00 | ..... | 62.01 | 64.16 | 65.01 | 66.22 |
| 17 | | | | | 69.88 | 63.57 | 59.95 | ..... | 62.02 | 64.17 | 65.16 | 66.21 |
| 18 | | | | 71.74 | 69.49 | 63.37 | 59.88 | ..... | 62.03 | 64.19 | 65.22 | 66.26 |
| 19 | | | | | 69.50 | 63.25 | 59.84 | 60.08 | 62.04 | 64.20 | 65.22 | 66.32 |
| 20 | | | | | 69.50 | 63.15 | 59.78 | ..... | 62.15 | 64.30 | 65.30 | 66.31 |
| 21 | | | | | 69.32 | 63.06 | 59.69 | ..... | 62.35 | 64.54 | 65.31 | 66.24 |
| 22 | | | | | 69.15 | 62.96 | 59.63 | ..... | 62.36 | 64.60 | 65.26 | 66.39 |
| 23 | | | | | 68.98 | 62.72 | 59.53 | ..... | 62.48 | 64.60 | 65.37 | 66.35 |
| 24 | | | | | 68.72 | 62.48 | 59.53 | ..... | 62.50 | 64.60 | 65.41 | 66.24 |
| 25 | | | | | 68.50 | 62.39 | 59.53 | ..... | 62.51 | 64.60 | 65.46 | 66.45 |
| 26 | | | 73.50 | 71.30 | 68.23 | 62.28 | 59.53 | 60.40 | 62.56 | 64.66 | 65.46 | 66.50 |
| 27 | | | | | 67.98 | 62.12 | 59.53 | 60.44 | 62.71 | 64.67 | 65.46 | 66.61 |
| 28 | | 74.23 | ..... | ..... | 67.75 | 62.07 | 59.49 | 60.54 | 62.89 | 64.67 | 65.48 | 66.64 |
| 29 | 73.36 | ..... | ..... | 71.00 | 67.58 | 61.96 | 59.52 | 60.60 | 62.90 | 64.73 | 65.57 | 66.63 |
| 30 | | | | 71.00 | 67.30 | 61.81 | 59.58 | 60.86 | 62.98 | 64.87 | 65.62 | 66.64 |
| 31 | | | | | 67.11 | ..... | 59.53 | 60.93 | ..... | 64.87 | ..... | 66.64 |

(D-3-1)5cdcl. Sam Jones. Water levels, in feet below measuring point, 1941: Mar. 15, 8.76; Oct. 15, 7.45; Dec. 8, 6.17.

Sanpete County

(C-18-1)13cc2. Arch Mellor. Water levels, in feet above measuring point, 1941: Mar. 19, 7.1; Dec. 5, 7.7.

(C-19-1)23bcc1. State claim 1457. C. H. Beal. Water levels, in feet below measuring point, 1941: Mar. 19, 35.75; Dec. 5, 33.62.

(C-19-1)25cd2. Wintch and Dyreng. Water levels, in feet above measuring point, 1941: Mar. 19, 5/2.13; Dec. 5, 5/3.15.(D-14-2)13aa. Ernest Hansen. Water levels, in feet above measuring point, 1941: Mar. 19, 5/15.6; Dec. 6, 5/19.3.(D-14-3)33bcc1. State claim 3708. Joseph Cloward. Water levels, in feet above measuring point, 1941: Mar. 19, 5/4.8; Dec. 6, 5/7.0.(D-15-3)8cdca3. State claim 13671. William Prestwick. Water levels, in feet above measuring point, 1941: Mar. 19, 5/1.31; Dec. 6, 5/1.34.

(D-15-3)26ccc. J. C. Christensen. Water levels, in feet below measuring point, 1941: Mar. 19, 10.89; Dec. 6, 8.73.

(D-15-3)28abal. State claim 2100. Isaac Reynolds. Water levels, in feet above measuring point, 1941: Mar. 19, 5/2.60; Dec. 6, 5/2.70.

a Well flowing prior to measurement.

Sanpete County--Continued

(D-15-4)4ddal. State claim 3606. Twin Creek Irrigation Co.* Water levels, in feet below measuring point, 1941: Mar. 19, 21.06; Sept. 28, 9.77; Dec. 6, 11.48.

(D-15-4)6adal. State claims 3741 and 8279. W. H. Brinton. Water levels, in feet below measuring point, 1941: Mar. 19, 5.02; Sept. 28, 6.07; Dec. 6, 4.79.

(D-15-4)29bacl. State claim 8276. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Sept. 28, 2.07; Dec. 6, 3.39.

(D-16-3)4aaal. State claim 2252. J. F. Bagnall. Water levels, in feet above measuring point, 1941: Mar. 19, a/ 6.0; Dec. 6, a/ 6.4.

(D-16-3)14dcal. State claim 65. Chris Larsen. Water levels, in feet below measuring point, 1941: Mar. 19, 13.21; Sept. 28, 13.19; Dec. 6, 13.10.

(D-16-3)15acal. State claim 8492. Federal Land Bank. Water levels, in feet below measuring point, 1941: Mar. 19, 35.80; Sept. 28, 33.60; Dec. 6, 33.20.

(D-16-3)15adcl. State application 12588. E. L. Davidson. Water levels, in feet below measuring point, 1941: Mar. 19, 59.25; Dec. 6, 54.24.

(D-16-3)32ddc2. George Beal.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 1 | 8.2 | 8.7 | 8.0 | 8.0 | 7.7 | 8.8 | 13.5 | 17.4 | 16.8 | 16.0 | 15.8 | 15.3 |
| 2 | 8.4 | 8.4 | 8.1 | 7.8 | 7.8 | 8.9 | 13.9 | 17.5 | 16.8 | 16.1 | 15.7 | 15.6 |
| 3 | 8.2 | 8.6 | 8.0 | 7.8 | 7.8 | 8.4 | 14.0 | 17.7 | 16.4 | 16.1 | 15.9 | 15.6 |
| 4 | 7.9 | 8.6 | 8.0 | 7.8 | 7.7 | 8.8 | 14.1 | 17.6 | 16.8 | 16.3 | 16.0 | 15.6 |
| 5 | 8.3 | 8.6 | 8.1 | ... | 7.6 | 9.0 | 14.1 | 17.3 | 16.9 | 16.1 | 15.8 | 15.5 |
| 6 | 7.7 | 8.8 | 8.1 | ... | 7.6 | 8.7 | 14.5 | 17.4 | 17.0 | 16.1 | 15.8 | 15.4 |
| 7 | 8.0 | 8.4 | 8.0 | ... | 7.9 | 8.9 | 14.5 | 17.2 | 17.0 | 16.2 | 15.8 | 15.5 |
| 8 | 8.0 | 8.2 | 8.1 | ... | 7.9 | 9.0 | 14.3 | 17.2 | 16.9 | 16.2 | 15.9 | 15.6 |
| 9 | 8.4 | 8.4 | 8.0 | ... | 8.0 | 8.9 | 14.3 | 17.1 | 17.0 | 16.3 | ... | 15.6 |
| 10 | 8.0 | 8.3 | 8.1 | ... | 7.8 | 9.3 | 14.9 | 17.1 | 17.2 | 16.3 | 15.9 | 15.4 |
| 11 | 7.8 | 8.2 | 8.1 | ... | 7.8 | 9.8 | 15.1 | 17.2 | 17.2 | 16.3 | 16.0 | 15.4 |
| 12 | 7.9 | 8.4 | 8.1 | ... | 7.9 | 10.1 | 15.7 | 17.2 | 17.2 | 16.2 | 16.0 | 15.5 |
| 13 | 8.3 | 8.4 | 8.2 | 7.8 | 7.9 | 10.4 | 15.9 | 17.4 | 17.0 | 15.9 | 16.0 | 15.4 |
| 14 | 8.0 | 8.2 | 8.1 | 7.8 | 7.6 | 10.5 | 16.4 | 17.4 | 16.8 | 15.7 | 16.1 | 15.3 |
| 15 | 8.0 | 8.1 | ... | 7.9 | 7.5 | 10.7 | 15.7 | 17.2 | 16.9 | 15.6 | 16.0 | 15.6 |
| 16 | 8.5 | 8.0 | 8.1 | 7.7 | 7.8 | 11.0 | 16.3 | 17.2 | 17.0 | 16.0 | 16.0 | 15.4 |
| 17 | 8.4 | 8.1 | 8.0 | 7.6 | 7.9 | 10.7 | 16.5 | 17.4 | 17.2 | 16.0 | 15.8 | 15.3 |
| 18 | 8.5 | 8.2 | 8.0 | 7.7 | 7.9 | 11.4 | 16.5 | 17.4 | 16.9 | 16.0 | 15.5 | 15.3 |
| 19 | 8.6 | 8.2 | 8.0 | 7.6 | 7.5 | 11.7 | 17.1 | 17.4 | 16.8 | 16.2 | 15.5 | 15.2 |
| 20 | 8.9 | 8.4 | 8.0 | 7.6 | 7.7 | 11.8 | 16.8 | 17.4 | 16.7 | 16.1 | 15.5 | 15.3 |
| 21 | 8.6 | 8.3 | 7.9 | 7.8 | 8.0 | 12.0 | 16.9 | 17.5 | 16.4 | 15.8 | 15.5 | 15.3 |
| 22 | 8.5 | 8.2 | 8.1 | 7.9 | 8.2 | 12.2 | 16.9 | 17.5 | 16.3 | 15.8 | 15.4 | 15.3 |
| 23 | 8.9 | 8.2 | 7.9 | 8.0 | 8.0 | 12.5 | 17.0 | 17.4 | 16.2 | 16.1 | 15.6 | 15.4 |
| 24 | 8.7 | 8.2 | 7.8 | 7.8 | 8.0 | 12.3 | 16.5 | 17.4 | 16.2 | 16.0 | 15.4 | 15.5 |
| 25 | 8.6 | 8.1 | 7.8 | 7.8 | 8.3 | 12.7 | 16.5 | 17.4 | 16.3 | 15.9 | 15.5 | 15.4 |
| 26 | 8.5 | 8.0 | 7.8 | 7.7 | 8.3 | 12.9 | 16.7 | 17.1 | 16.5 | 16.0 | 15.6 | 15.3 |
| 27 | 8.5 | 8.3 | 7.9 | 7.8 | 8.4 | 12.8 | 16.8 | 16.1 | 16.5 | 15.9 | 15.6 | 15.3 |
| 28 | 8.7 | 8.3 | 7.9 | 7.8 | 8.5 | 13.1 | 17.2 | 16.3 | 16.5 | 15.8 | 15.4 | 15.5 |
| 29 | 8.7 | ... | 8.1 | 7.8 | 8.9 | 13.3 | 17.1 | 16.4 | 16.4 | 15.6 | 15.5 | 15.3 |
| 30 | 8.4 | ... | 7.8 | 7.6 | 9.0 | 13.8 | 17.2 | 16.4 | 16.4 | 15.8 | 15.4 | 15.2 |
| 31 | 8.4 | ... | 8.0 | ... | 8.8 | ... | 17.6 | 16.8 | ... | 15.7 | ... | 15.3 |

(D-16-3)33ccbl. State claim 7333. Chris Olsen.

a Well flowing prior to measurements.

Sanpete County--Continued

(D-16-3)33ccbl.--Continued.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 5 | 6.6 | Mar. 29 | 5.1 | July 27 | 1.3 | Oct. 12 | 2.4 |
| 14 | 5.9 | Apr. 5 | 5.6 | Aug. 3 | 2.2 | 19 | 2.4 |
| 21 | 5.9 | May 11 | 6.7 | 10 | 2.2 | 26 | 2.4 |
| 28 | 6.1 | 24 | 5.7 | 17 | 2.3 | Nov. 2 | 2.4 |
| Feb. 4 | 5.9 | June 1 | 4.6 | 24 | 2.4 | 9 | 2.4 |
| 12 | 5.9 | 15 | 3.1 | 31 | 2.2 | 23 | 2.4 |
| 20 | 5.9 | 22 | .9 | Sept. 7 | 2.2 | Dec. 2 | 2.4 |
| 28 | 5.9 | 29 | 1.1 | 14 | 2.2 | 6 | 2.17 |
| Mar. 7 | 5.8 | July 6 | 1.1 | 21 | 2.0 | 14 | 2.4 |
| 19 | 5.54 | 13 | 1.6 | 28 | 2.0 | 21 | 2.5 |
| 22 | 5.7 | 20 | 1.7 | Oct. 5 | 2.3 | 28 | 2.4 |

(D-17-2)1bca2. State claim 11528. G. A. Anderson. Water levels, in feet above measuring point, 1941: Mar. 19,^a/ 4.08; Dec. 6,^a/ 5.30.

(D-17-2)36cbd1. G. B. Cox. Water levels, in feet above or below measuring point, 1941: Mar. 19, -1.92; Dec. 5,^b/ +3.50.

(D-17-3)4bccl. State application 11763. R. A. Olsen and others.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Jan. 5 | 9.7 | Feb. 12 | 9.2 | Mar. 22 | 9.1 | May 24 | 9.1 |
| 14 | 9.7 | 20 | 9.3 | 29 | 9.7 | June 1 | 8.0 |
| 21 | 9.6 | 28 | 9.1 | Apr. 5 | 9.6 | 15 | 7.9 |
| 28 | 9.5 | Mar. 7 | 9.7 | May 11 | 10.1 | 22 | c 1.0 |
| Feb. 4 | 9.4 | 19 | 8.92 | | | | |

(D-17-3)5ccd1. No measurements in 1941. Measurements discontinued.

(D-17-3)6dbal. State claim 11431. Niels Christensen. Water levels, in feet above measuring point, 1941: Mar. 19,^a/ 4.5; Dec. 6,^a/ 6.4.

(D-17-3)8ccdl. State claim 10498. Stanley Nielsen. Water level, in feet below measuring point, 1941: Mar. 19, 5.83.

(D-17-3)9cbdl. State claims 4446 and 8260. S. E. Christensen. Water levels, in feet below measuring point, 1941: Mar. 19, 40.81; Sept. 28, 23.82; Dec. 5, 26.89.

(D-17-3)17adbl. State claim 8261. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 19, 50.06; Sept. 28, 34.13; Dec. 5, 37.25.

(D-17-3)30dbdl. State claim 2696. Earnest Monk. Water levels, in feet above measuring point, 1941: Mar. 19,^a/ 9.1; Dec. 5,^a/ 12.0.

(D-18-2)1da. L. H. Hougaard.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Sept. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 1 | | 77.60 | ..... | 79.79 | 80.41 | 71.91 | ..... | ..... | ..... |
| 2 | | 77.65 | 78.87 | 79.83 | 80.43 | ..... | ..... | ..... | ..... |
| 3 | | 77.68 | 78.90 | 79.88 | 80.45 | 71.50 | ..... | ..... | ..... |
| 4 | | 77.70 | 78.93 | 79.85 | 80.44 | 70.82 | ..... | ..... | ..... |
| 5 | | 77.74 | 78.93 | 79.89 | 80.44 | 70.24 | ..... | ..... | 68.69 |
| 6 | | 77.80 | 79.00 | 79.95 | 80.47 | 69.50 | ..... | ..... | ..... |
| 7 | | 77.91 | 79.04 | 79.96 | 80.43 | 68.44 | ..... | ..... | ..... |
| 8 | | 78.06 | 79.10 | ..... | 80.36 | 67.38 | ..... | ..... | ..... |
| 9 | | 78.17 | ..... | ..... | ..... | 66.38 | ..... | ..... | ..... |
| 10 | | 78.23 | ..... | ..... | ..... | 65.72 | ..... | ..... | ..... |
| 11 | | 78.30 | ..... | 79.89 | ..... | 65.32 | d53.85 | ..... | ..... |

a Well flowing prior to measurements.

b Leaking around casing during measurement.

c Estimated. Well started to flow over top of casing about July 1, and continued to flow throughout the rest of 1941. Artesian pressure could not be measured because of pump.

d Recorder removed.

Sanpete County--Continued

(D-18-2)1da.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Sept. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12 | ..... | 78.36 | ..... | 79.92 | ..... | 64.40 | ..... | ..... | ..... |
| 13 | ..... | 78.42 | ..... | 79.94 | 80.10 | 63.78 | ..... | ..... | ..... |
| 14 | ..... | 78.46 | ..... | 79.98 | 79.99 | 63.28 | ..... | ..... | ..... |
| 15 | ..... | 78.47 | ..... | 79.98 | 79.91 | 62.61 | ..... | ..... | ..... |
| 16 | ..... | 78.50 | ..... | 80.00 | 79.72 | 62.07 | ..... | ..... | ..... |
| 17 | 77.22 | 78.54 | ..... | 80.01 | 79.46 | 61.60 | ..... | ..... | ..... |
| 18 | 77.26 | 78.59 | ..... | 80.04 | 79.17 | 61.15 | ..... | ..... | ..... |
| 19 | 77.26 | 78.64 | ..... | 80.08 | 78.95 | 60.62 | ..... | ..... | ..... |
| 20 | 77.26 | 78.66 | 79.45 | 80.14 | 78.60 | 59.53 | ..... | ..... | ..... |
| 21 | 77.33 | 78.68 | 79.50 | 80.15 | 78.25 | 59.00 | ..... | ..... | ..... |
| 22 | 77.32 | 78.70 | 79.53 | 80.18 | 77.98 | 58.30 | ..... | ..... | ..... |
| 23 | 77.38 | 78.75 | 79.54 | 80.22 | 77.60 | 57.86 | ..... | ..... | ..... |
| 24 | 77.36 | 78.77 | 79.55 | 80.25 | 77.07 | 56.85 | ..... | ..... | ..... |
| 25 | ..... | 78.80 | 79.60 | 80.27 | 76.32 | 56.02 | ..... | ..... | ..... |
| 26 | 77.53 | 78.88 | 79.62 | 80.30 | 75.77 | 55.40 | ..... | ..... | ..... |
| 27 | ..... | 78.90 | 79.63 | 80.32 | 75.33 | 54.97 | ..... | ..... | ..... |
| 28 | ..... | 78.86 | 79.65 | 80.36 | 74.95 | 54.80 | ..... | 62.21 | ..... |
| 29 | ..... | ..... | 79.66 | 80.39 | 73.38 | 54.71 | ..... | ..... | ..... |
| 30 | ..... | ..... | 79.67 | 80.42 | 73.04 | 54.51 | ..... | ..... | ..... |
| 31 | ..... | ..... | 79.68 | ..... | 72.50 | ..... | ..... | ..... | ..... |

(D-18-2)12bab1. State claim 13390. Manti City. Water levels, in feet below measuring point, 1941: Mar. 19, 79.98; Dec. 5, 69.89.

(D-19-2)17aad1. State claim 13462. W. G. Frischknecht. Water levels, in feet below measuring point, 1941: Mar. 19, 5.78; Dec. 5, 0.76.

(D-19-2)32aac1. State claim 11881. Mayfield Irrigation Co. Water levels, in feet below measuring point, 1941: Mar. 19, 36.50; Sept. 28; 24.90; Dec. 7, 29.54.

(D-20-1)5bd. Federal Land Bank. Water levels, in feet below measuring point, 1941: Mar. 19, 22.33; Sept. 28, 9.25; Dec. 5, 14.01.

(D-20-1)20aaal. State claim 6356. Federal Land Bank. Water levels, in feet below measuring point, 1941: Sept. 28, 38.35; Dec. 5, 37.40.

Sevier County

(C-21-1)13bdal. State claim 5817. Federal Land Bank. Water levels, in feet above measuring point, 1941: Mar. 20, 2/ 3.75; Dec. 5, 2/ 5.1.

(C-21-1)27aad1. State claim 8407. E. A. Thorsen. Water levels, in feet below measuring point, 1941: Mar. 20, 4.3; Sept. 28, 3.15; Dec. 5, 3.05.

(C-22-1)8bbd1. (C-22-1)8bb in Water-Supply Paper 910. Max Curtis. Water levels, in feet below measuring point, 1941: Mar. 20, 31.17; Sept. 28, 29.22; Dec. 5, 34.7.

(C-23-2)1aac1. State claim 16479. U. S. Gypsum Co. Water levels, in feet above measuring point, 1941: Mar. 20, 2/ 2.71; Dec. 5, 2/ 4.1.

(C-23-2)10bcd1. State claim 2011. F. W. Cowley. Stock well, diameter 2 inches, depth 135 feet. Measuring point, top of casing, north side at high point, 0.4 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 9, 12.33; Dec. 5, 11.16.

(C-23-2)15bdd3. State claim 1989. Sevier School District. Water level, in feet above measuring point, 1941: Mar. 20, 6.85.

a Well flowing prior to measurements.

Sevier County--Continued

(C-23-2)15ccc. Martha Avery.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|-----|------|------|-------|------|------|------|
| 1 | 5.6 | 6.1 | 5.8 | 5.6 | ... | ... | ... | ... | 3.6 | ... | 6.3 |
| 2 | 5.6 | 6.3 | 5.8 | 5.2 | ... | 3.6 | ... | ... | 3.6 | ... | 6.4 |
| 3 | ... | ... | ... | 4.9 | ... | 3.6 | ... | ... | 4.5 | 6.4 | 6.5 |
| 4 | ... | ... | ... | 4.7 | ... | 3.5 | ... | ... | 4.9 | 6.6 | 6.6 |
| 5 | ... | 6.0 | ... | 4.7 | 2.2 | 3.5 | ... | ... | 5.1 | ... | 6.1 |
| 6 | ... | 6.0 | ... | 4.7 | 2.0 | 3.5 | 2.3 | ... | 5.1 | ... | 6.0 |
| 7 | ... | 6.4 | ... | 4.8 | 2.0 | 3.8 | 2.0 | ... | 4.9 | ... | 5.8 |
| 8 | ... | 6.2 | ... | 4.5 | 1.8 | 4.3 | 2.0 | ... | 4.9 | ... | 5.9 |
| 9 | ... | 6.4 | ... | 4.7 | 1.8 | 4.0 | 1.9 | ... | ... | 5.9 | 6.0 |
| 10 | ... | 6.4 | ... | 4.2 | 1.7 | ... | 1.9 | ... | ... | 6.1 | 6.2 |
| 11 | ... | 6.3 | ... | ... | 1.7 | ... | 1.9 | ... | 4.8 | 6.2 | 6.2 |
| 12 | ... | ... | ... | ... | 1.6 | ... | 1.9 | ... | 5.6 | 6.4 | 6.4 |
| 13 | ... | 6.0 | ... | ... | 1.5 | ... | ... | ... | 5.7 | 6.4 | 5.9 |
| 14 | ... | 6.4 | ... | ... | 1.5 | ... | 2.2 | ... | 5.8 | 6.4 | 5.7 |
| 15 | ... | 6.4 | 5.7 | ... | 1.5 | ... | 2.1 | ... | 5.9 | 6.0 | 5.8 |
| 16 | ... | 6.4 | 5.9 | ... | 1.4 | 3.7 | 2.0 | ... | 6.0 | 6.0 | 6.1 |
| 17 | 6.4 | ... | 5.5 | ... | 1.5 | 3.4 | 2.1 | ... | 6.3 | 5.9 | 6.1 |
| 18 | 6.3 | ... | ... | ... | 1.6 | 3.4 | 2.1 | ... | 5.9 | 5.6 | 6.2 |
| 19 | 6.2 | ... | ... | ... | 1.5 | 3.6 | ... | ... | 5.9 | 6.0 | 6.9 |
| 20 | 6.2 | ... | ... | ... | 1.5 | 2.9 | 2.0 | ... | 6.0 | 6.4 | 6.6 |
| 21 | 6.2 | 6.2 | ... | 4.7 | 1.8 | 2.5 | 2.0 | ... | 5.9 | ... | 6.5 |
| 22 | 6.2 | 6.0 | ... | 4.5 | 2.0 | 2.4 | 2.0 | ... | 6.0 | ... | 6.4 |
| 23 | 6.1 | 5.9 | 5.8 | 4.2 | 2.0 | 2.6 | 2.1 | ... | 6.2 | 6.0 | ... |
| 24 | 6.1 | 6.2 | 5.8 | 3.9 | 2.0 | 2.3 | 2.1 | ... | 6.3 | 6.3 | ... |
| 25 | 6.0 | 5.7 | 5.5 | 3.5 | ... | 2.3 | 2.3 | ... | ... | 6.2 | ... |
| 26 | 6.0 | 5.9 | 5.2 | 3.2 | ... | 2.3 | 2.1 | ... | 5.9 | 6.2 | ... |
| 27 | 5.9 | 5.7 | 5.3 | 2.5 | ... | 2.4 | ... | 3.8 | 6.1 | 6.4 | ... |
| 28 | 6.0 | 5.9 | 5.5 | 2.4 | ... | 3.2 | 2.0 | 3.5 | 6.2 | ... | ... |
| 29 | 6.0 | ... | 5.7 | ... | ... | 3.5 | 2.9 | 3.5 | 6.1 | ... | ... |
| 30 | 6.0 | ... | ... | ... | ... | ... | ... | 3.6 | 6.1 | 6.5 | ... |
| 31 | 6.1 | ... | 5.6 | ... | ... | ... | ... | ... | 6.3 | ... | ... |

(C-23-2)15dcb4. State claim 1969. F. M. Jackson. Water levels, in feet above measuring point, 1941: Mar. 20, 8.6; Dec. 4, 8.6.(C-23-2)19dab1. State claim 8447. William Hallows. Water levels, in feet above measuring point, 1941: Mar. 21, 15.9; Dec. 4, 25.0.

(C-23-2)26cdbl. State claim 323. N. C. Johnson. Water levels, in feet above measuring point, 1941: Mar. 20, 6.0; Dec. 4, 6.2.

(C-23-2)31dcb2. (C-23-2)31ccb1 in Water-Supply Paper 910. State claim 3302. Pacific National Life Co. Water levels, in feet above measuring point, 1941: Mar. 21, 5.5; Dec. 4, 8.0.

(C-25-3)3bbdl. Luther Winget. Water levels, in feet below measuring point, 1941: Mar. 21, 18.08; Sept. 28, 6.80; Dec. 4, 9.85.

(C-25-4)2db. R. W. Pinney. Water levels, in feet below measuring point, 1941: Mar. 21, 54.65; Sept. 28, 46.77; Dec. 4, 48.50.

(C-26-1)23ddb1. State claim 12620. A. E. DeLange. Water levels, in feet above measuring point, 1941: Mar. 20, 11.3; Dec. 3, 11.5.(C-26-1)25acd1. State claim 3159. A. R. Brown. Water levels, in feet above measuring point, 1941: Mar. 20, 16.1; Dec. 3, 16.4.(C-26-1)35acd1. State claim 12713. Otto Erickson. Water levels, in feet above measuring point, 1941: Mar. 20, 4.6; Dec. 3, 5.6.(D-25-1)31cbl. (D-25-1)31cb in Water-Supply Paper 910. Charles Burr. Water levels, in feet above measuring point, 1941: Mar. 20, 2.36; Dec. 4, 2.30.a Well flowing prior to measurements.

Summit County

(A-3-4)4. Thomas Overd. Water levels, in feet below measuring point, 1941: Mar. 14, 4.95; Sept. 27, 5.32; Dec. 12, 4.06.

(D-1-4)18cc. Brooks and Gerber. Water levels, in feet below measuring point, 1941: Mar. 14, 82 $\frac{1}{2}$; Sept. 27, 86 $\frac{1}{2}$; Nov. 24, 86.24.

(D-1-4)31aa. No measurements in 1941. Measurements discontinued.

(D-1-4)31bdb1. Theodore Johnson. Water levels, in feet below measuring point, 1941: Mar. 14, 12.05; Nov. 24, 12.4 $\frac{1}{2}$.

(D-1-4)31dc. Unused well, diameter 72x72 inches, depth 15 feet. measuring point, top of 4 by 6 inch timber of northwest corner, 6.0 feet below land surface. Water level, in feet below measuring point, 1941: Nov. 24, 3.57.

(D-1-5)3ccbl. State claim 12256. Martin Larson. Water levels, in feet below measuring point, 1941: Mar. 14, 22.06; Sept. 27, 25.56; Nov. 24, 25.26.

(D-1-5)4cd. Joe Bean. Water levels, in feet below measuring point, 1941: Mar. 14, 8.90; Sept. 27, 8.50; Nov. 24, 8.79.

(D-1-6)19dad1. State claim 3699. A. W. Frazier. Water levels, in feet below measuring point, 1941: Mar. 14, a/ 16.52; Sept. 27, a/ 7.90; Nov. 24, a/ 13.42.

(D-1-6)29daa. State claim 12227. C. C. Mitchell. Water levels, in feet below measuring point, 1941: Mar. 14, 28.24; Sept. 27, 18.04; Nov. 24, 17.45.

(D-2-6)5dbd. Burton Peterson.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
|-----|------|------|------|------|------|------|------|------|-------|------|-------|
| 1 | 8.72 | 9.04 | 8.30 | .... | 8.76 | .... | 4.52 | 4.75 | 5.65 | 5.81 | .... |
| 2 | 8.74 | 9.04 | 8.39 | .... | 8.68 | 5.46 | .... | 4.91 | 5.74 | 5.84 | .... |
| 3 | 8.76 | 9.04 | 8.50 | .... | 8.55 | 4.45 | .... | 5.04 | 5.78 | 5.90 | 6.50 |
| 4 | 8.73 | 9.04 | 8.56 | .... | 8.40 | 2.98 | .... | 5.14 | 5.79 | 5.94 | 6.52 |
| 5 | 8.76 | 9.04 | 8.61 | .... | 8.06 | 3.36 | .... | 5.21 | 5.56 | 6.00 | 6.55 |
| 6 | 8.78 | 9.04 | 8.66 | .... | 7.96 | 3.65 | .... | 5.28 | 5.68 | 5.90 | 6.59 |
| 7 | 8.81 | 9.05 | 8.71 | 9.10 | 7.32 | 3.55 | 4.77 | 5.26 | 5.77 | 5.87 | 6.64 |
| 8 | 8.82 | .... | 8.77 | .... | 7.43 | 3.68 | 4.80 | 4.95 | 5.83 | 5.92 | 6.65 |
| 9 | 8.83 | .... | 8.82 | .... | 7.39 | 3.76 | 4.87 | 4.75 | 5.87 | 6.01 | 6.68 |
| 10 | 8.87 | .... | 8.86 | .... | 6.89 | 4.16 | 4.72 | 4.88 | 5.62 | 6.10 | 6.69 |
| 11 | 8.88 | .... | .... | .... | 7.02 | 4.35 | 3.67 | 5.01 | 5.85 | 6.16 | .... |
| 12 | 8.90 | .... | .... | .... | 6.07 | 4.44 | 4.06 | 5.00 | 5.94 | 6.32 | .... |
| 13 | 8.92 | .... | .... | .... | 6.50 | 4.49 | 4.30 | 5.04 | 5.98 | .... | .... |
| 14 | 8.93 | .... | 9.06 | 9.09 | 6.73 | 4.42 | 4.55 | 4.97 | 5.85 | .... | .... |
| 15 | 8.95 | 8.72 | .... | .... | 6.53 | 4.65 | .... | 5.07 | 5.95 | .... | .... |
| 16 | 8.96 | 8.79 | .... | .... | 5.84 | 4.79 | .... | 5.17 | 5.64 | 6.38 | .... |
| 17 | 8.95 | 8.82 | 9.06 | .... | 5.81 | .... | .... | 4.88 | 5.42 | .... | 7.09 |
| 18 | 8.93 | 8.77 | .... | .... | 5.73 | .... | .... | 5.19 | 5.31 | .... | .... |
| 19 | 8.94 | 8.71 | .... | .... | 5.96 | .... | .... | 5.28 | 5.25 | .... | .... |
| 20 | 8.96 | 8.62 | .... | .... | .... | .... | .... | 5.40 | 5.05 | .... | .... |
| 21 | 8.97 | 8.51 | .... | 9.14 | .... | 5.24 | 3.86 | 5.49 | 5.00 | .... | .... |
| 22 | 8.99 | 8.44 | .... | .... | .... | .... | 4.21 | 5.58 | .... | .... | .... |
| 23 | 9.00 | 8.30 | .... | .... | .... | 4.35 | 4.49 | 5.67 | 5.15 | .... | .... |
| 24 | 9.02 | 8.22 | .... | .... | .... | 4.41 | 4.69 | 5.75 | 5.27 | .... | b7.13 |
| 25 | 9.02 | 8.20 | 9.06 | .... | .... | 4.70 | 4.83 | 5.46 | 5.38 | .... | .... |
| 26 | 9.02 | 8.33 | .... | .... | 4.60 | 4.85 | 4.77 | 4.91 | 5.47 | .... | .... |
| 27 | 9.02 | 8.41 | .... | .... | .... | 5.02 | 4.82 | 5.05 | 5.60 | 5.47 | .... |
| 28 | 9.02 | 8.42 | .... | 8.91 | .... | 5.50 | 4.99 | 5.18 | 5.64 | .... | .... |
| 29 | 9.03 | .... | .... | 8.89 | .... | 5.05 | 4.71 | 5.34 | 5.72 | .... | .... |
| 30 | 9.03 | .... | .... | 8.84 | .... | 4.76 | 4.20 | 5.46 | 5.78 | .... | .... |
| 31 | 9.04 | .... | 9.07 | .... | .... | .... | 4.50 | 5.55 | .... | .... | .... |

a Water leaking into well from City water supply pipe.

b Recorder removed.

Summit County--Continued

(D-2-6)8aaa. State claim 12248. Ed Rockhill. Water levels, in feet below measuring point, 1941: Mar. 14, dry at 12.0; Sept. 27, 8.32; Nov. 24, 9.32.

(D-2-6)17dac. Jack Wilsonhulme. Water levels, in feet below measuring point, 1941: Mar. 14, 13.05; Sept. 27, 8.81; Nov. 24, 11.27.

(D-2-6)20ccc. State claim 12231. A. H. Padfield.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Dec. 16, 1940 | a 5.48 | May 16, 1941 | a 4.2 | Sept. 3, 1941 | a 5.58 |
| Jan. 12, 1941 | a 4.90 | June 14 | a 2.9 | 16 | a 5.33 |
| Mar. 14 | a 4.51 | July 16 | a 4.98 | 27 | 5.74 |
| 17 | a 4.64 | Aug. 4 | a 5.5 | Oct. 13 | a 4.35 |
| Apr. 16 | a 4.50 | 16 | a 5.24 | Nov. 24 | 4.88 |

(D-2-6)28ccc1. Lillian McNeil.

Water level, in feet below measuring point, 1940-41

| | | | | | |
|---------------|---------|---------------|---------|----------------|---------|
| Dec. 16, 1940 | a 28.44 | July 16, 1941 | a 17.24 | Sept. 16, 1941 | a 23.44 |
| Jan. 12, 1941 | a 29.75 | Aug. 4 | a 19.52 | 27 | 24.82 |
| May 16 | a 25.90 | 16 | a 20.86 | Oct. 13 | a 21.53 |
| June 14 | a 8.6 | Sept. 3 | a 21.84 | Nov. 24 | 24.96 |

(D-2-6)28ddc. A. D. Prescott. Measuring point since Dec. 16, 1940, is top of concrete floor, 0.3 foot above top of curb and 0.8 foot above land surface.

Water level, in feet below measuring point, 1940-41

| | | | | | |
|---------------|---------|---------------|--------|----------------|--------|
| Dec. 16, 1940 | a 13.60 | July 16, 1941 | a 1.10 | Sept. 16, 1941 | a 5.30 |
| Apr. 16, 1941 | a 18.30 | Aug. 4 | a 1.44 | 27 | 4.91 |
| May 16 | a 13.7 | 16 | a 2.14 | Oct. 13 | a 5.08 |
| June 14 | a 1.20 | Sept. 3 | a 3.72 | Nov. 24 | 9.32 |

(D-2-6)33dad. Amos Prescott. All measurements by Provo River Water Commissioner.

Water level, in feet below measuring point, 1940-41

| | | | | | |
|---------------|------|---------------|-------|---------------|-------|
| Dec. 16, 1940 | 49.7 | July 16, 1941 | 10.2 | Sept. 3, 1941 | 40.75 |
| Jan. 12, 1941 | 56.0 | Aug. 4 | 17.76 | 16 | 39.76 |
| May 16 | 52.0 | 16 | 30.16 | Oct. 13 | 32.00 |
| June 14 | 10.9 | | | | |

Tooele County - Rush Valley

(C-5-5)2bc. Alma Young. Water levels, in feet below measuring point, 1941: May 13, 25.55; Nov. 25, 25.12.

(C-5-5)30bcb1. State claim 8286. Willard Sager. Water levels, in feet below measuring point, 1941: May 13, 14.50; Nov. 25, 15.01.

(C-5-5)31db. Unused well, diameter 60 inches, depth 25 feet. Measuring point, top of tie curb, 1.0 foot above land surface. Water levels, in feet below measuring point, 1941: May 13, 21.60; Nov. 25, 21.32.

(C-5-5)32adb. Unused well, diameter 30 x 60 inches, depth 36 feet. Measuring point, top of board spanning well, level with land surface. Water levels, in feet below measuring point, 1941: May 13, 31.87; Nov. 25, 33.18.

(C-5-6)25aaa1. State claim 8288. Willard Sager. Water levels, in feet below measuring point, 1941: May 13, 17.26; Nov. 25, 19.94.

(C-5-6)26cb. Stock well, diameter 60 inches, depth 17 feet. Measuring point, top of tie cover, 1.0 foot above land surface. Water levels, in feet below measuring point, 1941: May 13, 15.72; Nov. 25, 16.10.

a Measurement by Provo River Water Commissioner.

Tooele County - Rush Valley--Continued

(C-7-5)4da. Unused well, diameter 36x60 inches, depth 9.0 feet. Measuring point, top of tie spanning well west side, 1.0 foot above land surface. Water levels, in feet below measuring point, 1941: May 13, 8.60; Nov. 25, 8.61.

(C-8-5)20dc. Unused well, diameter 60 inches, depth 12.6 feet. Measuring point, top of 2 by 4 inch upright, northeast corner, 3.0 feet above land surface. Water levels, in feet below measuring point, 1941: May 13, 10.44; Nov. 25, 11.73.

(C-8-5)30ccc. State claim 1573. H. I. Yates. Unused well, diameter 60 inches, depth 16 feet. Measuring point, top of iron strap on discharge pipe, 0.5 foot above land surface. Water levels, in feet below measuring point, 1941: May 13, 5.97; Nov. 25, 8.80.

(C-8-5)31aad. D. J. Fredrickson. Unused well, diameter 14 inches. Measuring point, top of casing, smooth edge at west side, level with land surface. Water levels, in feet below measuring point, 1941: May 13, 18.18; Nov. 25, 19.88.

(C-8-6)23cd. Unused well, diameter 2 inches. Measuring point, top of casing, 1.0 foot above land surface. Water levels, in feet above measuring point, 1941: May 13, 0.98; Nov. 25, 0.70.

(C-8-6)26aaal. State claim 1415. J. E. Olson. Water levels, in feet above measuring point, 1941: May 13, 13.6; Nov. 25, 15.1.

(C-9-5)6bcal. State claim 8285. Drought Relief Administration. Water levels, in feet below measuring point, 1941: May 13, 17.52; Nov. 25, 18.55.

Tooele County - Salt Lake Desert

(C-7-10)25cc. Grazing Service. Water level, in feet below measuring point, 1941: Sept. 18, 4.08.

Tooele County - Tooele Valley

(C-1-4)26ddal. D. H. Coe. Domestic well, diameter 36 inches, depth 12 feet. Measuring point, top of ell on discharge pipe, 3.8 feet below land surface. Water levels, in feet below measuring point: Sept. 30, 1940, 4.40; Feb. 24, 1941, 4.55. Measurements discontinued.

(C-1-4)35odd1. State claim 10573. O. V. Cluff. Domestic well, diameter 3 inches, depth 80 feet. Measuring point, top of ell above tee, 1.5 feet above land surface and 4,237.35 feet above mean sea level. Water levels, in feet above measuring point: Sept. 30, 1940, 7.2; Feb. 24, 1941, 11.00. Measurements discontinued.

(C-1-4)35daa2. Charles Yates. Domestic well, diameter 48 inches, depth 17 feet. Measuring point, top of well platform, 0.3 foot above land surface and 4,240.20 feet above mean sea level. Water levels, in feet below measuring point: Sept. 30, 1940, 10.90; Feb. 24, 1941, 10.37. Measurements discontinued.

(C-1-4)36bbcl. A. J. Williams. Domestic well, diameter 36 inches, depth 21 feet. Measuring point, top of platform, 0.5 foot above land surface and 4,255.10 feet above mean sea level. Water levels, in feet below measuring point: Sept. 30, 1940, 17.82; Feb. 24, 1941, 17.76. Measurements discontinued.

(C-1-4)36bbd2. A. J. Williams. Unused well, diameter 60 inches, depth 36 feet. Measuring point, top of 2 by 10 inch plank of well cover at pipe, level with land surface and 4,270.05 feet above mean sea level. Water levels, in feet below measuring point: Sept. 30, 1940, 32.63; Feb. 24, 1941, 32.64. Measurements discontinued.

a Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-1-4)36bcb1. State claim 13593. A. J. Williams.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 24 | a 10.6 | June 2 | ab 8.1 | Aug. 22 | a 8.0 | Nov. 25 | a 11.8 |
| Apr. 24 | a 10.6 | 23 | a 8.2 | Sept. 25 | a 11.4 | Dec. 22 | a 11.9 |
| May 23 | a 9.9 | July 23 | a 8.0 | Oct. 24 | a 11.45 | | |

(C-1-5)31ddbl. F. Burmester. Abandoned oil prospect well, diameter 60 to 24 inches, depth 1,265 feet. Measuring point, top of 2 by 4 inch curb, 1.0 foot below land surface. Water level, in feet below measuring point, 1941: Feb. 27, 10.2. Measurements discontinued.

(C-2-4)1bcb1. Jesse Long. Domestic well, diameter 48 inches, depth 50 feet. Measuring point, top of concrete curb, 1.5 feet above land surface.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|---------------|-------------|
| Sept. 30, 1940 | 38.46 | July 23, 1941 | 37.35 | Oct. 24, 1941 | 36.88 |
| Feb. 24, 1941 | 38.49 | Aug. 22 | 37.15 | Nov. 25 | 36.85 |
| June 18 | 37.75 | Sept. 25 | 36.97 | Dec. 22 | 36.77 |
| 25 | 37.70 | | | | |

(C-2-4)2abab1. State application 11962. B. N. Griffith. Elevation of measuring point, 4,239.24.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 24 | a 6.15 | June 2 | ab 2.60 | Sept. 25 | a 1.82 | Nov. 25 | a 6.0 |
| Apr. 24 | a 6.2 | 23 | a 2.50 | Oct. 24 | a 2.95 | Dec. 22 | a 6.1 |
| May 23 | a 2.30 | Aug. 22 | a 3.05 | | | | |

(C-2-4)2aba2. State claim 6997. B. D. Davis.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 24 | a 4.23 | June 3 | ab 4.2 | Aug. 22 | a 4.7 | Nov. 25 | a 5.3 |
| Apr. 24 | a 4.45 | 23 | a 4.55 | Sept. 25 | a 4.8 | Dec. 22 | a 5.3 |
| May 23 | a 4.2 | July 23 | a 4.08 | Oct. 24 | a 4.95 | | |

(C-2-4)2acal. (C-2-4)2ab2 in Water-Supply Paper 817. State claim 1567 Mrs. Lola Jackson. Measuring point since Dec. 10, 1937, is top of concrete curb, 0.6 foot above top of tee and 4,248.95 feet above mean sea level. Water levels, in feet above measuring point: Dec. 10, 1937, a/ 0.30; Oct. 1, 1940, a/ 0.12; Feb. 24, 1941, a/ 0.62. Measurements discontinued.

(C-2-4)2adcl. State claim 10567. Bert Davis. Domestic well, diameter 48 inches, depth 40 feet. Measuring point, top of railroad tie curb, 1.2 feet above land surface and 4,265.20 feet above mean sea level. Water levels, in feet below measuring point: Sept. 30, 1940, 18.78; Feb. 24, 1941, 18.68. Measurements discontinued.

(C-2-4)2bdb1. State claim 1569. Eleanor Drury. Stock well, diameter 6 inches, depth 285 feet. Measuring point, top of tee on casing, 0.8 foot above land surface and 4,238.52 feet above mean sea level. Water levels, in feet above measuring point: Dec. 9, 1937, a/b/ 9.0; Feb. 25, 1941, a/ 9.6. Measurements discontinued.

(C-2-4)2bdb2. Eleanor Drury. Unused well, diameter 2 inches. Measuring point, top of casing at high point, level with land surface and 4,239.5 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940, a/ 3.66; Feb. 25, 1941, a/ 2.98. Measurements discontinued.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-4)2cccl. Warren Garrard. Domestic well, diameter 48 inches, depth 19 feet. Measuring point, top of 6 by 6 inch well cover at pumpbase, 0.5 foot above land surface.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|---------------|-------------|
| Sept. 30, 1940 | 17.98 | July 23, 1941 | 13.90 | Oct. 24, 1941 | 17.18 |
| Feb. 24, 1941 | 17.90 | Aug. 22 | 13.10 | Nov. 25 | 16.70 |
| June 23 | 12.90 | Sept. 25 | 15.71 | Dec. 22 | 16.58 |

(C-2-4)3dccl. Nick Soter. Domestic well, diameter 2 inches, depth 145 feet. Measuring point, top of casing, 0.5 foot above land surface. Water levels, in feet below measuring point: Oct. 11, 1940, 5.70; Feb. 24, 1941, 5.60. Measurements discontinued.

(C-2-4)10cdbl. State claim 18998. Utah Oil Refining Co. Domestic well, diameter 2 inches, depth 140 feet. Measuring point, top of 6 by 6 inch tie pump support, level with land surface and 4,273.68 feet above mean sea level. Water levels, in feet below measuring point: Oct. 11, 1940, 3.35; Feb. 24, 1941, 3.75. Measurements discontinued.

(C-2-4)11abdl. Domestic well, diameter 48 inches. Measuring point, top of railroad tie support for pipe, 2.0 feet above land surface. Water levels, in feet below measuring point: Sept. 30, 1940, 90.66; Feb. 24, 1941, 90.80. Measurements discontinued.

(C-2-4)16aadl. State claim 14208. Utah Wool Pulling Co. Unused well, diameter 2 inches, depth 265 feet. Measuring point, top of casing, level with land surface and 4,253.54 feet above mean sea level. Water levels, in feet below measuring point: Oct. 1, 1940, 0.10; Feb. 26, 1941, 0.47. Measurements discontinued.

(C-2-4)16aad2. State claim 14209. Utah Wool Pulling Co. Unused well, diameter 4 inches, depth 300 feet. Measuring point, top of 4-inch pipe, 2.0 feet above land surface and 4,263.75 feet above mean sea level. Water levels, in feet below measuring point: Oct. 1, 1940, 9.07; Feb. 26, 1941, 9.06. Measurements discontinued.

(C-2-4)17dadl. E. J. Jeremy.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 27 | a 21.15 | June 3 | ab 20.5 | Sept. 25 | a 20.9 | Nov. 25 | a 20.9 |
| Apr. 24 | a 21.05 | July 25 | a 20.75 | Oct. 24 | a 21.0 | Dec. 22 | a 21.1 |
| May 23 | a 20.7 | Aug. 22 | a 21.0 | | | | |

(C-2-4)18dcdl. State claim 17110. Doneta Cassity. Stock well, diameter 4 inches, depth 250 feet. Measuring point, top of ell, 0.5 foot above land surface and 4,249.16 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940, a/ 8.1; Feb. 27, 1941, a/ 9.1. Measurements discontinued.

(C-2-4)19dbbl. State claim 1570. Cecil Lang. Stock well, diameter 2 inches, depth 100 feet. Measuring point, top of casing, level with land surface and 4,262.87 feet above mean sea level. Water levels, in feet above measuring point: Nov. 2, 1937, a/b/ 5.4; Sept. 9, 1939, a/b/ 7.8; Oct. 1, 1940, 6.5; Feb. 27, 1941, 7.5.

(C-2-4)20abdl. Stock well, diameter 1½ inches. Measuring point, top of concrete base, 1.5 feet above land surface and 4,258.18 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940, a/ 18.2; Feb. 27, 1941, a/ 18.65. Measurements discontinued.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Toole County - Tooele Valley--Continued

(C-2-4)20ddcl. State claim 14211. Romulus Dela Mare. Irrigation well, diameter 2 inches, depth 200 feet. Measuring point, top of casing, level with land surface and 4,300.20 feet above mean sea level. Water levels, in feet above measuring point: Oct. 22, 1937, a/b/ 8.2; Oct. 1, 1940, a/ 12.2; Feb. 25, 1941, 20.7. Measurements discontinued.

(C-2-4)21baal. Green. Stock and domestic well, diameter 48 inches, depth 30 feet. Measuring point, top of well curb, 3.0 feet above land surface. Water levels, in feet below measuring point: Oct. 3, 1940, 14.68; Feb. 25, 1941, 5.34. Measurements discontinued.

(C-2-4)22ccb3. M. A. and E. S. Vorwaller. Unused well, diameter 3 inches, depth 300 feet. Measuring point, top of 3 by 6 inch pump support, level with land surface and 4,328.22 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Oct. 11, 1940 | 50.58 | May 30, 1941 | 50.13 | Sept. 5, 1941 | 50.18 |
| Feb. 24, 1941 | 50.30 | June 5 | 50.12 | | 50.19 |
| Mar. 25 | 50.14 | 12 | 50.11 | | 50.13 |
| 31 | 50.04 | 18 | 50.10 | Oct. 3 | 50.11 |
| Apr. 2 | 50.12 | 23 | 50.19 | 10 | 50.17 |
| 8 | 50.13 | 28 | 50.16 | 17 | 50.13 |
| 17 | 50.13 | July 5 | 50.20 | 24 | 50.02 |
| 24 | 50.14 | 12 | 50.18 | 31 | 50.05 |
| May 1 | 50.13 | 19 | 50.20 | Nov. 7 | 50.10 |
| 5 | 50.16 | Aug. 1 | 50.15 | 14 | 50.06 |
| 8 | 50.14 | 8 | 50.14 | 24 | 50.05 |
| 16 | 50.14 | 15 | 50.17 | Dec. 22 | 49.94 |
| 23 | 50.18 | 22 | 50.18 | | |

(C-2-4)27cbcl. State application 12305. V. J. Crocheron. Unused well, diameter 6 inches, depth 400 feet. Measuring point, top of casing, level with land surface and 4,359.2 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940, a/ 1.32; Feb. 24, 1941, 5.45. Measurements discontinued.

(C-2-4)27ccal. State claim 901. V. J. Crocheron. Irrigation well, diameter 6 inches, depth 165 feet. Measuring point, top of tee on casing, 1.8 feet above land surface and 4,364.90 feet above mean sea level. Water levels, in feet below measuring point: Oct. 13, 1937, b/ 4.6; Oct. 1, 1940, 6.66; Feb. 24, 1941, 2.44.

(C-2-4)27ccbl. State claim 902. V. J. Crocheron. Stock diameter 3 inches, depth 165 feet. Measuring point, top of tee on casing, 1.1 feet above land surface and 4,365.00 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| | | | | | |
|---------------|--------|---------------|------|---------------|-------|
| Feb. 6, 1940 | b 2.30 | Apr. 17, 1941 | 0.54 | Sept. 5, 1941 | 4.13 |
| Mar. 5 | b 1.95 | 24 | .54 | 10 | 4.08 |
| Apr. 5 | b 1.66 | May 1 | 1.81 | 17 | 4.06 |
| June 5 | b 4.75 | 5 | 2.01 | 25 | 3.95 |
| July 12 | b 4.88 | 8 | 2.75 | Oct. 3 | 3.93 |
| Aug. 5 | b 4.91 | 16 | 2.97 | 10 | 3.78 |
| Sept. 24 | b 4.95 | 23 | 3.18 | 17 | 3.74 |
| Oct. 1 | 4.92 | 30 | 3.52 | 25 | 3.64 |
| Nov. 25 | b 2.1 | June 6 | 3.32 | 31 | 3.20 |
| Jan. 20, 1941 | b 1.33 | 12 | 2.90 | Nov. 3 | 2.22 |
| Feb. 21 | b .84 | 18 | 3.52 | 7 | 1.94 |
| 24 | .80 | 23 | 3.74 | 14 | 1.70 |
| Mar. 4 | .76 | 29 | 3.80 | 21 | 1.58 |
| 11 | .72 | July 5 | 3.95 | 25 | 1.12 |
| 18 | .59 | 12 | 3.96 | 28 | .95 |
| 25 | .55 | 19 | 3.97 | Dec. 8 | .42 |
| 31 | .52 | Aug. 1 | 3.99 | 15 | c .28 |
| Apr. 2 | .64 | 8 | 4.05 | 22 | (c) |
| 4 | .61 | 15 | 4.11 | 29 | (c) |
| 8 | .46 | 22 | 4.14 | | |

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

c Flowing through horizontal outlet.

Tooele County - Tooele Valley--Continued

(C-2-4)27cccl. Domestic well, diameter 2 inches. Measuring point, top of tie spanning pit, 0.7 foot above land surface and 4,384.53 feet above mean sea level. Water levels, in feet below measuring point: Oct. 1, 1940, 15.36; Feb. 24, 1941, 11.73. Measurements discontinued.

(C-2-4)28acd3. State claim 19754. E. S. Vorwaller. Irrigation well, diameter 3 inches, depth 190 feet. Measuring point, top of casing, 0.5 foot above land surface and 4,338.83 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940, a/ 5.5; Feb. 24, 1941, 20.60. Measurements discontinued.

(C-2-4)28bdd4. State claim 16947. J. S. Warr. Stock well, diameter 4 inches. Measuring point, top of ell on $\frac{1}{2}$ -inch pipe, 0.5 foot above land surface and 4,327.20 feet above mean sea level. Water levels, in feet above measuring point: Oct. 16, 1937, a/b/ 2.6; Oct. 2, 1940, a/ 1.75; Feb. 24, 1941, a/ 6.90. Measurements discontinued.

(C-2-4)28cbb2. State claim 15288. D. V. Hauerbach. Irrigation well, diameter 2 inches, depth 95 feet. Measuring point, top of end of outlet pipe, 0.2 foot below land surface and 4,328.59 feet above mean sea level. Water levels, in feet above measuring point: Oct. 18, 1937, a/b/ 4.5; Oct. 2, 1940, a/ 4.5; Feb. 25, 1941, a/ 9.2. Measurements discontinued.

(C-2-4)28cdb1. State claim 809. Batesville Ward.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 24 | a 12.8 | June 4 | b 6.2 | Aug. 22 | a 5.8 | Nov. 25 | a 10.8 |
| Apr. 24 | a 12.5 | 23 | 6.2 | Sept. 25 | 6.0 | Dec. 22 | a 11.3 |
| May 23 | a 6.8 | July 23 | a 5.7 | Oct. 25 | a 6.5 | | |

(C-2-4)28daal. State claim 5114. Allen Warr. Irrigation well, diameter 4 inches, depth 205 feet. Measuring point, top of outlet pipe, 0.5 foot above land surface and 4,350.9 feet above mean sea level. Water level, in feet above measuring point, 1941: Mar. 21, a/ 8.1. Measurements discontinued.

(C-2-4)28daa2. State claim 5115. Allen Warr. Stock well, diameter 4 inches, depth 309 feet. Measuring point, top of ell on outlet pipe, 0.2 foot above land surface. Measurements discontinued after Mar. 21, 1941.

Water level, in feet above measuring point, 1937-39, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Oct. 14, 1937 | a 1.8 | Aug. 3, 1939 | a 2.75 | Nov. 15, 1939 | a 5.7 |
| Mar. 17, 1939 | a 8.25 | Sept. 28 | a 2.75 | Mar. 21, 1941 | a 5.7 |

(C-2-4)28dbc3. State claim 14194. Albert Weyland. Stock well, diameter 2 inches, depth 180 feet. Measuring point, top of faucet above tee, 1.9 feet above land surface and 4,341.93 feet above mean sea level. Water levels, in feet above measuring point: Oct. 16, 1937, a/b/ 9.6; Oct. 2, 1940, a/ 6.75; Feb. 24, 1941, 21.75. Measurements discontinued.

(C-2-4)28dcbb2. State claim 12768. Tooele County State Bank. Irrigation well, diameter 12 inches. Measuring point, top of 12 inch over-casing, level with land surface and 4,341.00 feet above mean sea level. Measurements discontinued after Apr. 8, 1941.

Water level, in feet above measuring point, 1937-39, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Oct. 15, 1937 | ab 24.0 | Mar. 25, 1941 | 30.4 | Apr. 2, 1941 | 30.5 |
| Nov. 13, 1939 | ab 6.6 | 26 | b 30.0 | 8 | 30.35 |
| Mar. 18, 1941 | a 30.25 | 27 | 30.35 | | |

a Well flowing prior to measurements.

b Measurements by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-4)28dcb3. State claim 12769. Tooele County State Bank. Irrigation well, diameter 4 inches. Measuring point, top of coupling on casing, 0.2 foot above land surface and 4,346.55 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 26, a/14.9; Mar. 27, 17.7. Measurements discontinued.

(C-2-4)29bcd1. State claim 14201. J. W. Whitehouse. Stock well, diameter 2 inches, depth 300 feet. Measuring point, top of casing, level with land surface and 4,297.61 feet above mean sea level. Water level, in feet above measuring point, 1941: Feb. 25, a/ 8.1. Measurements discontinued.

(C-2-4)29bcd1. State claim 14200. J. N. Whitehouse. Stock well, diameter 2 inches, depth 300 feet. Measuring point, top of casing, level with land surface and 4,298.35 feet above mean sea level. Water levels, in feet above measuring point: Oct. 26, 1937, a/ 9.8; Mar. 16, 1939, a/b/ 13.05; Mar. 14, 1940, b/ 13.70; Oct. 1, 1940, a/ 10.0; Feb. 25, 1941, a/ 17.6; June 10, 1941, a/b/ 14.0. Measurements discontinued.

(C-2-4)29bdd2. State claim 17341. Agnes Johnson. Stock well, diameter 2 inches, depth 165 feet. Measuring point, top of casing, 1.6 feet above land surface and 4,304.60 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940, a/ 5.6; Feb. 25, 1941, a/ 8.6. Measurements discontinued.

(C-2-4)29dcb2. C. D. Cochran. Stock well, diameter 2 inches. Measuring point, top of cap on casing, 0.4 foot above land surface and 4,328.19 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940, a/ 3.4; Feb. 24, 1941, a/ 5.8. Measurements discontinued.

(C-2-4)29ddc1. State claim 12665. Frank Cochran. Irrigation well, diameter 4 inches, depth 126 feet. Measuring point, top of casing, 0.6 foot above land surface and 4,347.00 feet above mean sea level. Water levels, in feet above measuring point: Oct. 20, 1937, a/b/ 2.25; Oct. 2, 1940, a/ 2.22; Feb. 24, 1941, 8.7. Measurements discontinued.

(C-2-4)30add1. State claim 17100. J. W. Whitehouse. Stock well, diameter 2 inches, depth 300 feet. Measuring point, top of ell on casing, 1.5 feet above land surface, and 4,297.49 feet above mean sea level. Water levels, in feet above measuring point: Sept. 9, 1939, a/b/ 2.70; Oct. 2, 1940, a/ 2.8; Feb. 25, 1941, 4.9. Measurements discontinued.

(C-2-4)30ccb2. J. B. Cahoon. Stock well, diameter 2 inches, depth 200 feet. Measuring point, top of broken ell on casing, 0.5 foot above land surface and 4,297.36 feet above mean sea level. Water levels, in feet above measuring point: Mar. 16, 1938, a/b/ 7.4; Sept. 9, 1939, a/b/ 6.2; Oct. 3, 1940, a/ 6.45; Feb. 26, 1941, a/ 6.9.

(C-2-4)30odd1. State claim 9158. J. B. Cahoon. Stock well, diameter 2 inches, depth 200 feet. Measuring point, top of casing, 0.2 foot above land surface and 4,308.5 feet above mean sea level. Measurements discontinued after Feb. 26, 1941.

Water level, in feet above measuring point, 1938-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Mar. 16, 1938 | ab 13.2 | Mar. 3, 1940 | b 11.1 | Feb. 26, 1941 | a 12.3 |
| Sept. 9, 1939 | ab 10.95 | Oct. 3 | a 11.2 | | |

(C-2-4)31aad1. State claim 10549. Floyd Vorwaller. Domestic well, diameter 2 inches, depth 206 feet. Measuring point, top of casing, 0.2 foot above land surface and 4,339.9 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet above measuring point, 1937, 1940-41

| | | | | | |
|---------------|---------|---------------|--------|---------------|--------|
| Oct. 26, 1937 | ab 1.55 | Feb. 25, 1941 | a 7.15 | Mar. 28, 1941 | a 6.85 |
| Oct. 2, 1940 | a 3.4 | Mar. 27 | a 7.25 | | |

(C-2-4)31aac1. State claim 1051. Walters Brothers. Irrigation well, diameter 2 inches, depth 220 feet. Measuring point, top of tee, 0.7 foot above land surface and 4,337.15 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-4)3laccl.--Continued.

Water level, in feet above measuring point, 1937, 1939-41

| Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|--------------|-------------|---------------|-------------|
| Oct. 30, 1937 | ab 4.3 | Mar. 1, 1940 | ab 12.1 | Mar. 28, 1941 | 18.1 |
| Sept. 11, 1939 | b 10.0 | 27, 1941 | 18.1 | | |

(C-2-4)3laccl2. State claim 1049. Walters Brothers. Irrigation well, diameter 2 inches, depth 220 feet. Measuring point, top of casing, 1.5 feet above land surface and 4,338.25 feet above mean sea level. Water levels, in feet above measuring point: Oct. 30, 1937, a/b 4.0; Mar. 27, 1941, 17.8. Measurements discontinued.

(C-2-4)3laccl1. State claim 1047. Walters Brothers. Irrigation well, diameter 6 inches, depth 221 feet. Measuring point, top of ell on casing, 1.3 feet above land surface and 4,341.45 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet above measuring point, 1937, 1940-41

| | | | | | |
|---------------|---------|---------------|-------|---------------|------|
| Oct. 29, 1937 | ab 1.7 | Mar. 19, 1941 | 14.6 | Mar. 24, 1941 | 14.8 |
| Mar. 1, 1940 | b 15.5 | 22 | 14.75 | 27 | 15.2 |
| Apr. 4 | ab 2.94 | 23 | 10.25 | 28 | 15.0 |
| Mar. 18, 1941 | 12.2 | | | | |

(C-2-4)3laccl2. State claim 1048. Walters Brothers. Irrigation well, diameter 2 inches, depth 220 feet. Measuring point, top of casing, 1.0 foot above land surface and 4,340.25 feet above mean sea level. Water levels, in feet above measuring point: Oct. 29, 1937, a/b 1.5; Sept. 3, 1940, a 1.15; Feb. 26, 1941, 11.2.

(C-2-4)3laccl3. State claim 1050. Walters Brothers. Irrigation well, diameter 6 inches, depth 228 feet. Measuring point, top of outlet pipe, 1.8 feet above land surface and 4,337.6 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet above measuring point, 1937, 1940-41

| | | | | | |
|---------------|---------|---------------|--------|---------------|------|
| Oct. 29, 1937 | ab 4.5 | Mar. 23, 1941 | a 9.35 | Mar. 27, 1941 | 18.4 |
| Mar. 1, 1940 | ab 18.3 | 24 | 17.9 | 28 | 18.2 |
| 22, 1941 | 18.0 | | | | |

(C-2-4)3laccl5. State claim 10550. Walters Brothers. Irrigation well, diameter 6 inches, depth 226 feet. Measuring point, top of valve flange, 1.5 feet above land surface and 4,338.45 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet above measuring point, 1937, 1941

| | | | | | |
|---------------|--------|---------------|--------|---------------|-------|
| Oct. 28, 1937 | ab 4.5 | Mar. 22, 1941 | 18.95 | Mar. 24, 1941 | 19.1 |
| Mar. 17, 1941 | 18.8 | 23 | c 16.1 | 28 | 19.35 |
| 18 | 18.65 | | | | |

(C-2-4)3ladal. State claim 10546. Walters Brothers. Irrigation well, diameter 2 inches, depth 227 feet. Measuring point, top of coupling on casing, 1.0 foot above land surface and 4,340.45 feet above mean sea level. Water levels, in feet above measuring point: Oct. 26, 1937, a/b 12.5; Mar. 27, 1941, 23.9; Mar. 28, 1941, 22.1. Measurements discontinued.

(C-2-4)3ladb2. State claim 10545. Walters Brothers. Irrigation well, diameter 2 inches, depth 230 feet. Measuring point, top of tee on casing, 0.5 foot above land surface and 4,338.20 feet above mean sea level. Water levels, in feet above measuring point: Oct. 26, 1937, a/b 9.3; Mar. 27, 1941, 25.9; Mar. 28, 1941, 24.2. Measurements discontinued.

(C-2-4)3ladcl. State claim 10543. Walters Brothers. Irrigation well, diameter 4 inches, depth 197 feet. Measuring point, top of casing, level with land surface and 4,347.1 feet above mean sea level. Water levels, in feet above measuring point: Oct. 28, 1937, a/b 8.3; Mar. 27, 1941, 16.25; Mar. 28, 1941, 14.5. Measurements discontinued.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

c Adjacent well flowing prior to measurement.

Tooele County - Tooele Valley--Continued

(C-2-4)3ladd2. State claim 10540. Walters Brothers. Irrigation well, diameter 6 inches, depth 202 feet. Measuring point, top of ell on casing, 3.0 feet above land surface and 4,353.4 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 13.8; Mar. 28, a/ 14.05. Measurements discontinued.

(C-2-4)3ladd3. State claim 10541. Walters Brothers. Irrigation well, diameter 2 inches, depth 230 feet. Measuring point, top of casing, 0.5 foot below land surface and 4,349.9 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 17.55; Mar. 28, 15.1. Measurements discontinued.

(C-2-4)3ladd4. State claim 10547. Walters Brothers. Irrigation well, diameter 2 inches, depth 230 feet. Measuring point, top of casing, 0.5 foot above land surface and 4,341.58 feet above mean sea level. Water levels, in feet above measuring point: Oct. 26, 1937, a/b/ 12.5; Mar. 27, 1941, 23.15; Mar. 28, 20.75.

(C-2-4)3ladd5. State claim 10542. Walters Brothers. Irrigation well, diameter 4 inches, depth 200 feet. Measuring point, top of casing, 0.5 foot above land surface and 4,349.63 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 17.1; Mar. 28, 15.2. Measurements discontinued.

(C-2-4)3lbacl. Alex Walters. Irrigation well, diameter 2 inches. Measuring point, top of casing, level with land surface and 4,318.55 feet above mean sea level. Water levels, in feet below measuring point: Oct. 3, 1940, 2.00; Feb. 26, 1941, 0.94. Measurements discontinued.

(C-2-4)3lbedl. Stock well, diameter 2 inches. Measuring point, top of casing, high point, 0.3 foot above land surface and 4,330.45 feet above mean sea level. Water levels, in feet above measuring point: Oct. 3, 1940, 16.0; Feb. 26, 1941, 17.5. Measurements discontinued.

(C-2-4)3lbad2. State claim 16484. Elizabeth Walters. Stock well, diameter 2 inches, depth 164 feet. Measuring point, top of casing, 0.5 foot below land surface and 4,355.25 feet above mean sea level. Measurements discontinued after Feb. 21, 1941.

Water level, in feet above or below measuring point, 1937, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|
| Nov. 1, 1937 | b +0.6 | June 6, 1940 | b -1.01 | Nov. 29, 1940 | b -1.01 |
| Feb. 6, 1940 | b -.05 | July 12 | b -1.12 | Jan. 20, 1941 | b +.27 |
| Mar. 5 | b +.20 | Aug. 5 | b -1.19 | Feb. 21 | b +.31 |
| Apr. 5 | b -.60 | Sept. 24 | b -1.18 | | |

(C-2-4)3lbad4. State claim 1060. Elizabeth Walters. Unused well, diameter 3 inches. Measuring point, top of 3-inch casing, 0.7 foot above land surface and 4,357.85 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|
| Oct. 3, 1940 | 3.2 | Mar. 26, 1941 | 0.88 | Mar. 28, 1941 | 0.81 |
| Feb. 26, 1941 | 1.68 | 27 | .82 | | |

(C-2-4)3lbdal. State claim 15162. State of Utah. Unused well, diameter 2 inches, depth 200 feet. Measuring point, top of casing, 1.7 feet above land surface and 4,358.75 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet below measuring point, 1939-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|
| Nov. 7, 1939 | b 3.5 | June 5, 1940 | b 3.14 | Feb. 21, 1941 | b 1.46 |
| 24 | b 3.6 | July 12 | b 3.32 | 26 | 1.69 |
| Feb. 6, 1940 | b 1.90 | Sept. 24 | b 3.42 | Mar. 26 | .88 |
| Mar. 5 | b 1.44 | Nov. 28 | b 3.04 | 27 | .85 |
| Apr. 5 | b 2.79 | Jan. 20, 1941 | b 1.5 | 28 | .83 |

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-4)31daal. State claim 6925. J. A. Smith and others. Irrigation well, diameter 2 inches, depth 196 feet. Measuring point, top of casing, 0.5 foot above land surface and 4,358.0 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 11.35; Mar. 28, 8.9. Measurements discontinued.

(C-2-4)31daa2. State claim 7036. J. A. Smith and others. Unused well, diameter 3 inches, depth 200 feet. Measuring point, top of ell on casing, 1.8 feet above land surface and 4,362.90 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 5.8; Mar. 28, 4.45. Measurements discontinued.

(C-2-4)31daa3. State claim 7037. J. A. Smith and others. Irrigation well, diameter 3 inches, depth 200 feet. Measuring point, top of ell on casing, 1.1 feet above land surface and 4,358.95 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 10.6; Mar. 28, 8.25. Measurements discontinued.

(C-2-4)31daa4. State claim 7038. J. A. Smith and others. Irrigation well, diameter 3 inches, depth 200 feet. Measuring point, top of ell on casing, 1.0 foot above land surface and 4,358.30 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 10.5; Mar. 28, 8.15. Measurements discontinued.

(C-2-4)31daa5. State claim 7039. J. A. Smith and others. Irrigation well, diameter 4 inches, depth 196 feet. Measuring point, top of end of outlet pipe, 0.5 foot above land surface and 4,358.80 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 9.5; Mar. 28, 8.15. Measurements discontinued.

(C-2-4)31daa6. State claim 17018. J. A. Smith and others. Irrigation well, diameter 4 inches, depth 165 feet. Measuring point, top of ell on casing, 0.4 foot above land surface and 4,253.37 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 13.5; Mar. 28, 7.85. Measurements discontinued.

(C-2-4)31dad1. State claim 6924. E. R. Nelson. Stock well, diameter 2 inches, depth 184 feet. Measuring point, top of casing, level with land surface and 4,362.57 feet above mean sea level. Pressure recorder installed on well May 28, 1941; replaced by water-level recorder Aug. 8.

Water level, in feet above measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Oct. 3, 1940 | a 0.8 | Mar. 27, 1941 | 7.6 | May 26, 1941 | a 1.40 |
| Feb. 25, 1941 | a 5.6 | 28 | 6.35 | | |

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-----|------|------|------|-------|------|------|------|
| 1 | ... | 1.2 | 1.2 | 1.3 | .... | 1.41 | 1.52 | 1.55 |
| 2 | ... | 1.3 | 1.2 | 1.2 | 1.37 | 1.46 | 1.51 | 1.94 |
| 3 | ... | 1.2 | 1.3 | 1.2 | 1.07 | 1.48 | 1.52 | 2.00 |
| 4 | ... | 1.2 | 1.4 | 1.2 | 1.02 | 1.49 | 1.51 | 1.96 |
| 5 | ... | 1.2 | 1.2 | 1.0 | 1.04 | 1.46 | 1.53 | 1.94 |
| 6 | ... | 1.5 | 1.2 | 1.0 | 1.07 | 1.44 | 1.54 | 1.98 |
| 7 | ... | 1.4 | 1.1 | 1.2 | 1.33 | 1.47 | 1.53 | 1.97 |
| 8 | ... | 1.4 | 1.1 | 1.35 | 1.34 | 1.47 | 1.56 | 1.72 |
| 9 | ... | 1.4 | 1.2 | 1.35 | 1.36 | 1.46 | 1.57 | .... |
| 10 | ... | 1.3 | 1.2 | 1.40 | 1.37 | 1.43 | 1.57 | .... |
| 11 | ... | 1.2 | 1.2 | 1.40 | 1.40 | 1.44 | 1.59 | .... |
| 12 | ... | 1.5 | 1.2 | 1.40 | 1.38 | 1.46 | 1.61 | .... |
| 13 | ... | 1.5 | 1.2 | 1.39 | 1.39 | 1.43 | 1.59 | .... |
| 14 | ... | 1.4 | 1.1 | 1.39 | 1.37 | 1.42 | 1.61 | .... |
| 15 | ... | 1.3 | 1.0 | 1.37 | 1.36 | 1.44 | 1.63 | 1.68 |
| 16 | ... | 1.3 | 1.0 | 1.37 | 1.36 | 1.50 | 1.66 | 1.70 |

a Well flowing prior to measurement.

Tooele County - Tooele Valley--Continued

(C-2-4)3ldad1.--Continued.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-----|------|------|------|-------|------|------|------|
| 17 | ... | 1.3 | 1.1 | 1.38 | 1.38 | 1.45 | 1.68 | 1.90 |
| 18 | ... | 1.3 | 1.1 | 1.10 | 1.39 | 1.47 | 1.64 | 1.65 |
| 19 | ... | ... | 1.3 | 1.06 | 1.39 | 1.49 | .... | 1.66 |
| 20 | ... | ... | 1.3 | 1.07 | 1.37 | 1.48 | .... | 1.69 |
| 21 | ... | 1.4 | 1.3 | 1.45 | 1.36 | 1.48 | .... | 1.68 |
| 22 | ... | 1.3 | 1.3 | 1.53 | 1.38 | 1.47 | 1.63 | 1.66 |
| 23 | ... | 1.4 | 1.3 | 1.47 | 1.37 | 1.49 | 1.62 | 1.73 |
| 24 | ... | 1.3 | 1.3 | 1.47 | 1.37 | 1.50 | 1.65 | 1.79 |
| 25 | ... | 1.1 | ... | 1.47 | ... | 1.52 | 1.67 | 1.79 |
| 26 | ... | 1.2 | ... | 1.47 | 1.42 | 1.49 | 1.72 | 1.82 |
| 27 | ... | 1.1 | ... | 1.48 | 1.38 | 1.52 | 1.75 | 1.81 |
| 28 | 1.0 | 1.2 | ... | 1.49 | 1.39 | 1.52 | .... | 1.82 |
| 29 | 1.0 | 1.1 | ... | 1.08 | 1.39 | 1.50 | .... | 1.85 |
| 30 | 1.0 | 1.2 | ... | .... | 1.39 | 1.50 | .... | 2.10 |
| 31 | 1.2 | ... | ... | .... | .... | 1.51 | .... | 2.14 |

(C-2-4)3ldad2. State application 14298. Utah Water Storage Commission. Irrigation experimental well, diameter 8 inches, depth 318 feet. Measuring point, top of 1½-inch pipe, 1.5 feet above land surface and 4,370.00 feet above mean sea level. Water levels, in feet above measuring point, 1941: Dec. 16, b/ 2.60; Dec. 17, 2.81.

(C-2-4)3ldba6. State claim 12793. Tooele County State Bank. Irrigation well, diameter 4 inches. Measuring point, top of coupling on casing, 1.2 feet above land surface and 4,340.9 feet above mean sea level. Water level, in feet below measuring point, 1940: Oct. 3, 0.02. No measurements in 1941. Measurements discontinued.

(C-2-4)3ldba7. State claim 1062. E. W. Herron. Irrigation well, diameter 4 inches, depth 244 feet. Measuring point, top of valve, 2.0 feet above land surface and 4,343.42 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 13.9; Mar. 28, 13.9. Measurements discontinued.

(C-2-4)3ldbb6. State claim 1066. E. W. Herron. Irrigation well, diameter 2 inches, depth 210 feet. Measuring point, top of casing, 1.0 foot above land surface and 4,339.45 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 10.0; Mar. 28, 10.0. Measurements discontinued.

(C-2-4)3ldbc1. State claim 1069. E. W. Herron. Unused well, diameter 3 inches. Measuring point, top of ell on casing, 0.5 foot above land surface and 4,356.30 feet above mean sea level. Water levels, in feet below measuring point, 1941: Mar. 26, 0.50; Mar. 27, 0.45; Mar. 28, 0.45. Measurements discontinued.

(C-2-4)3ldbc5. State claim 19258. Nelson and Smith. Unused well, diameter 2 inches, depth 200 feet. Measuring point, top of casing, 2.0 feet below land surface and 4,356.60 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|
| Feb. 6, 1940 | a 1.48 | Aug. 5, 1940 | a 2.95 | Feb. 26, 1941 | 1.32 |
| Mar. 5 | a .98 | Sept. 24 | a 3.05 | Mar. 26 | .52 |
| Apr. 5 | a 2.36 | Nov. 28 | a 2.75 | 27 | .48 |
| June 5 | a 2.78 | Jan. 20, 1941 | a 1.05 | 28 | .48 |
| July 12 | a 2.88 | Feb. 21 | a 1.02 | | |

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurement.

Tooele County - Tooele Valley--Continued

(C-2-4)31dbbc6. State claim 19253. Smith and Dillard. Unused well, diameter 2 inches, depth 104 feet. Measuring point, top of ell on casing, 1.0 foot above land surface and 4,359.65 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Mar. 26 | 9.13 | June 16 | 10.28 | Aug. 22 | 10.54 | Nov. 3 | 10.41 |
| 27 | 9.07 | 18 | 10.30 | Sept. 2 | 10.54 | 7 | 10.43 |
| 28 | 9.08 | 23 | 10.35 | 5 | 10.62 | 14 | 10.36 |
| 31 | 9.40 | 28 | 10.32 | 17 | 10.52 | 21 | 10.28 |
| Apr. 2 | 9.69 | July 5 | 10.30 | 25 | 10.55 | 25 | 10.27 |
| May 8 | 10.24 | 12 | 10.41 | Oct. 3 | 10.53 | 28 | 10.18 |
| 16 | 10.14 | 23 | 10.41 | 10 | 10.50 | Dec. 8 | 10.08 |
| 23 | 10.22 | Aug. 1 | 10.47 | 17 | 10.45 | 15 | 10.17 |
| 30 | 10.24 | 8 | 10.53 | 24 | 10.43 | 22 | 10.15 |
| June 6 | 10.26 | 15 | 10.55 | 31 | 10.44 | 29 | 10.02 |
| 12 | 10.28 | | | | | | |

(C-2-4)31dbbc7. State claim 7035. Smith and Dillard. Irrigation well, diameter 6 inches, depth 202 feet. Measuring point, top of ell on casing, 1.0 foot above land surface and 4,360.00 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Mar. 26 | 2.00 | May 23 | 3.42 | Aug. 8 | 3.68 | Oct. 31 | 3.57 |
| 27 | 1.96 | 30 | 3.44 | 15 | 3.71 | Nov. 3 | 3.56 |
| 28 | 1.92 | June 6 | 3.48 | 22 | 3.67 | 7 | 3.57 |
| 31 | 2.36 | 12 | 3.51 | Sept. 2 | 3.71 | 14 | 3.50 |
| Apr. 2 | 2.63 | 16 | 3.50 | 5 | 3.78 | 21 | 3.38 |
| 8 | 3.10 | 18 | 3.50 | 17 | 3.70 | 25 | 3.40 |
| 17 | 3.16 | 23 | 3.52 | 25 | 3.68 | 28 | 3.34 |
| 24 | 3.21 | 28 | 3.59 | Oct. 3 | 3.65 | Dec. 8 | 3.21 |
| May 1 | 3.26 | July 12 | 3.60 | 10 | 3.65 | 15 | 3.22 |
| 5 | 3.34 | 23 | 3.61 | 17 | 3.62 | 22 | 3.21 |
| 8 | 3.34 | Aug. 1 | 3.65 | 24 | 3.56 | 29 | 3.00 |
| 16 | 3.37 | | | | | | |

(C-2-4)31dbbd1. State claim 9213. C. K. Hancock. Domestic well, diameter 2 inches, depth 65 feet. Measuring point, outlet pipe to small valve, 1.2 feet above land surface and 4,352.7 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 21, 6.5; Mar. 27, 6.9; Mar. 28, 6.9. Measurements discontinued.

(C-2-4)31dbbd2. State claim 17089. W. A. Lauritzen. Unused well, diameter 3 inches, depth 183 feet. Measuring point, top of casing, 0.2 foot above land surface and 4,358.85 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet above measuring point, 1941

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| Mar. 21 | a 2.52 | Mar. 23 | a 2.33 | Mar. 26 | a 2.65 | Mar. 28 | a 2.83 |
| 22 | a 2.60 | 24 | a 2.60 | 27 | a 2.84 | | |

(C-2-4)31dcal. State claim 15160. State of Utah. Unused well, diameter 8 inches, depth 204 feet. Measuring point, top of coupling on casing, 5.0 feet above land surface and 4,370.85 feet above mean sea level. Water stage recorder installed Feb. 21, 1941.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|
| Feb. 6, 1940 | b 5.52 | June 5, 1940 | b 6.40 | Oct. 3, 1940 | b 6.63 |
| Mar. 5 | b 5.09 | July 12 | b 6.54 | Nov. 28 | b 6.36 |
| Apr. 5 | b 5.99 | Sept. 24 | b 6.68 | Jan. 21, 1941 | 4.68 |

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-4)3ldcal.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | .... | 4.33 | 4.59 | 5.09 | 5.44 | 5.64 | 5.69 | .... | 5.75 | 5.63 | 5.34 |
| 2 | .... | 4.35 | 4.69 | 5.10 | 5.43 | 5.67 | 5.69 | 5.79 | 5.76 | 5.63 | 5.30 |
| 3 | .... | 4.37 | 4.76 | .... | 5.44 | 5.65 | 5.71 | 5.84 | .... | 5.65 | 5.22 |
| 4 | .... | 4.31 | 4.77 | .... | 5.44 | 5.66 | 5.72 | 5.88 | 5.72 | 5.65 | 5.31 |
| 5 | .... | 4.32 | 4.81 | 5.19 | 5.44 | 5.68 | 5.76 | 5.86 | 5.74 | 5.64 | 5.32 |
| 6 | .... | 4.34 | 4.88 | 5.24 | 5.43 | 5.68 | 5.77 | 5.81 | 5.78 | 5.62 | .... |
| 7 | .... | 4.34 | 4.93 | 5.21 | .... | 5.70 | 5.77 | 5.83 | 5.75 | 5.64 | .... |
| 8 | .... | 4.34 | 4.94 | 5.23 | .... | 5.71 | 5.72 | 5.83 | 5.76 | 5.60 | .... |
| 9 | .... | 4.30 | 4.88 | 5.25 | .... | 5.71 | 5.72 | 5.81 | 5.78 | 5.58 | 5.14 |
| 10 | .... | 4.26 | 4.91 | 5.30 | .... | 5.71 | 5.73 | 5.80 | 5.74 | 5.60 | 5.14 |
| 11 | .... | 4.24 | 4.97 | 5.28 | .... | 5.67 | 5.73 | 5.77 | 5.72 | 5.54 | 5.23 |
| 12 | .... | 4.28 | 5.01 | 5.26 | 5.52 | 5.68 | 5.74 | 5.79 | 5.70 | 5.53 | 5.35 |
| 13 | .... | 4.43 | 5.04 | 5.24 | 5.50 | 5.66 | 5.74 | 5.78 | 5.73 | 5.56 | 5.30 |
| 14 | .... | 4.49 | 5.07 | 5.29 | 5.51 | 5.66 | 5.75 | 5.81 | 5.75 | 5.55 | 5.25 |
| 15 | .... | 4.29 | 5.04 | 5.30 | 5.52 | 5.70 | 5.76 | 5.83 | 5.73 | 5.51 | 5.25 |
| 16 | .... | 4.27 | 5.01 | 5.32 | 5.53 | 5.71 | 5.76 | 5.84 | 5.70 | 5.46 | 5.22 |
| 17 | .... | 4.24 | 5.04 | 5.24 | 5.53 | 5.70 | 5.76 | .... | 5.72 | 5.43 | 5.06 |
| 18 | .... | 4.41 | 5.03 | 5.27 | 5.52 | 5.71 | 5.77 | .... | 5.70 | 5.50 | 5.25 |
| 19 | .... | 4.22 | 5.03 | 5.31 | 5.53 | 5.70 | 5.81 | .... | 5.66 | 5.51 | 5.24 |
| 20 | .... | 4.28 | 5.03 | 5.32 | 5.55 | 5.69 | 5.81 | .... | 5.67 | 5.53 | 5.20 |
| 21 | 4.35 | 4.36 | 5.01 | 5.30 | 5.58 | 5.71 | 5.77 | .... | 5.68 | 5.47 | 5.21 |
| 22 | 4.65 | 4.27 | 5.01 | 5.42 | 5.57 | 5.73 | 5.76 | .... | 5.70 | 5.48 | 5.24 |
| 23 | 4.67 | 4.33 | 5.04 | 5.42 | 5.57 | 5.65 | 5.74 | .... | 5.67 | 5.50 | 5.16 |
| 24 | 4.64 | 4.16 | 5.04 | 5.43 | 5.56 | 5.67 | 5.74 | .... | 5.66 | 5.48 | 5.15 |
| 25 | 4.67 | 4.15 | .... | 5.42 | 5.62 | 5.70 | 5.74 | .... | 5.66 | 5.43 | 5.18 |
| 26 | 4.81 | 4.12 | 5.04 | 5.41 | 5.60 | 5.69 | 5.74 | 5.75 | 5.68 | 5.41 | 5.18 |
| 27 | 4.46 | 4.02 | 5.06 | 5.42 | 5.60 | 5.68 | 5.74 | 5.79 | 5.65 | 5.36 | 5.20 |
| 28 | 4.39 | 4.05 | 5.05 | 5.43 | 5.61 | 5.68 | 5.73 | 5.80 | 5.64 | 5.36 | 5.18 |
| 29 | .... | 3.93 | 5.07 | 5.45 | 5.63 | 5.71 | 5.78 | 5.78 | 5.67 | 5.36 | 5.13 |
| 30 | .... | 4.19 | 5.08 | 5.46 | 5.63 | 5.70 | .... | 5.80 | 5.69 | 5.36 | 4.95 |
| 31 | .... | 4.37 | .... | 5.43 | .... | 5.68 | .... | .... | 5.64 | .... | 4.91 |

(C-2-4)32abel. State claim 1038. G. L. England. Stock well, diameter 3 inches, depth 272 feet. Measuring point, top of casing, 2.0 feet above land surface and 4,357.84 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940, a/ 15.6; Feb. 25, 1941, 21.0. Measurements discontinued.

(C-2-4)32acc2. State claim 904. G. L. England. Irrigation and stock well, diameter 3 inches, depth 160 feet. Measuring point, top of casing, 0.3 foot above land surface and 4,364.45 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940, a/ 4.9; Feb. 25, 1941, 8.1. Measurements discontinued.

(C-2-4)32add1. State claim 1037. Atkin and Nix. Unused well, diameter 2 inches, depth 230 feet. Measuring point, top of casing, 0.5 foot above land surface and 4,383.6 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|--------|-------------|---------|-------------|
| July 5 | 19.38 | Aug. 15 | 20.43 | Oct. 3 | 20.85 | Nov. 14 | 20.24 |
| 7 | 19.69 | 22 | 20.53 | 10 | 20.75 | 25 | 20.13 |
| 12 | 19.95 | Sept. 2 | 20.75 | 17 | 20.66 | Dec. 8 | 19.97 |
| 19 | 19.90 | 5 | 20.76 | 25 | 20.56 | 15 | 19.93 |
| 28 | 20.20 | 17 | 20.87 | 31 | 20.48 | 22 | 19.81 |
| Aug. 1 | 20.24 | 25 | 20.84 | Nov. 7 | 20.40 | 29 | 19.75 |
| 8 | 20.35 | | | | | | |

a Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-2-4)32bccl. State claim 578. R. A. Fenton.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 25 | a 13.9 | Apr. 24 | a 10.7 | July 25 | a 9.7 | Oct. 25 | a 9.8 |
| Mar. 27 | a 15.7 | May 23 | a 9.7 | Aug. 22 | a 9.85 | Nov. 25 | a 9.8 |
| 28 | a 15.05 | June 23 | a 9.75 | Sept. 25 | a 9.6 | Dec. 22 | a 9.8 |

(C-2-4)32bcd2. State claim 577. R. A. Fenton. Irrigation well, diameter 2 inches, depth 214 feet. Measuring point, top of ell, 2.0 feet above land surface and 4,359.33 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 13.7; Mar. 28, 13.5. Measurements discontinued.

(C-2-4)32caal. State claim 12764. Tooele County State Bank. Irrigation well, diameter 3 inches. Measuring point, top of casing, level with land surface and 4,362.93 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 4.03; Mar. 28, 4.02. Measurements discontinued.

(C-2-4)32caa4. State claim 12784. Tooele County State Bank. Irrigation well, diameter 3 inches. Measuring point, top of casing, 0.5 foot below land surface and 4,364.58 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 2.25; Mar. 28, 2.0. Measurements discontinued.

(C-2-4)32cab1. State claim 12785. Tooele County State Bank. Irrigation well, diameter 3 inches. Measuring point, top of casing, 0.5 foot below land surface and 4,365.15 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 12.65; Mar. 28, 12.35. Measurements discontinued.

(C-2-4)32cab2. State claim 12786. Tooele County State Bank. Irrigation well, diameter 3 inches. Measuring point, top of casing, 0.5 foot below land surface and 4,360.2 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 12.6; Mar. 28, 12.35. Measurements discontinued.

(C-2-4)32cab5. State claim 12787. Tooele County State Bank. Irrigation well, diameter 3 inches. Measuring point, top of casing, 0.5 foot above land surface and 4,358.63 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 14.35; Mar. 28, 14.0. Measurements discontinued.

(C-2-4)32cab6. State claim 12788. Tooele County State Bank. Stock well, diameter 3 inches. Measuring point, top of casing, 1.0 foot above land surface and 4,368.82 feet above mean sea level. Water level, in feet above measuring point, 1940: Oct. 3, a/ 0.05. Measurements discontinued.

(C-2-4)32cba2. State claim 581. R. A. Fenton. Stock and domestic well, diameter 2 inches, depth 216 feet. Measuring point, top of 2-inch outlet, 0.5 foot above land surface and 4,361.05 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 11.65; Mar. 28, 11.4. Measurements discontinued.

(C-2-4)32cba4. State claim 583. R. A. Fenton. Stock well, diameter 3 inches, depth 177 feet. Measuring point, top of 4-way outlet, 1.0 foot above land surface and 4,366.05 feet above mean sea level. Measurements discontinued after Mar. 28, 1941.

Water level, in feet above measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|---------------|-------------|
| June 5, 1940 | b 2.0 | Sept. 24, 1940 | b 1.7 | Mar. 27, 1941 | 5.6 |
| July 12 | b 1.0 | Dec. 4 | b 3.8 | 28 | 5.3 |

(C-2-4)32cba5. State claim 584. R. A. Fenton. Irrigation well, diameter 4 inches, depth 189 feet. Measuring point, top of end of outlet pipe, level with land surface. Water levels, in feet above measuring point, 1941: Mar. 27, 6.6; Mar. 28, 6.5. Measurements discontinued.

a Well flowing prior to measurement.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-4)32cba6. State claim 585. R. A. Fenton. Irrigation well, diameter 6 inches, depth 185 feet. Measuring point, top of tee on casing, 1.5 feet above land surface and 4,365.73 feet above mean sea level. No measurements in 1941. Measurements discontinued.

Water level, in feet below measuring point, 1940

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|----------|-------------|
| Jan. 17 | a 0.79 | Mar. 5 | a 0.78 | June 5 | a 1.30 | Aug. 5 | a 1.05 |
| Feb. 6 | a .77 | Apr. 5 | a .79 | July 12 | a 1.12 | Sept. 24 | a 1.54 |

(C-2-4)32cbb1. State claim 586. R. A. Fenton. Irrigation well, diameter 6 inches, depth 218 feet. Measuring point, top of end of outlet pipe, 1.0 foot above land surface and 4,364.14 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 27, 6.6; Mar. 28, 6.2. Measurements discontinued.

(C-2-4)33aac2. State claim 888. I. L. Clegg. Corrected elevation of measuring point 4,394.57.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|--------|----------|-------|---------|-------|---------|-------|
| Feb. 24 | 11.01 | June 23 | 14.30 | Oct. 10 | 14.33 | Nov. 7 | 12.50 |
| Apr. 24 | 10.68 | Aug. 1 | 14.54 | 25 | 14.18 | 25 | 11.77 |
| May 23 | 13.72 | 22 | 14.84 | Nov. 3 | 12.81 | Dec. 22 | 9.51 |
| June 5 | a 13.9 | Sept. 25 | 14.55 | | | | |

(C-2-4)33abal. State claim 805. L. T. Liddell. Irrigation well, diameter 3 inches, depth 175 feet. Measuring point, top of casing, level with land surface and 4,362.78 feet above mean sea level. Water levels, in feet above measuring point, 1941: Mar. 18, 9.85; Mar. 19, ^b9.8. Measurements discontinued.

(C-2-4)33abb2. State claim 806. L. T. Liddell.

Water level, in feet above or below measuring point, 1941

| | | | | | | | |
|--------|-------|--------|-------|---------|-------|--------|-------|
| Jan. 4 | +2.00 | Apr. 5 | +3.33 | July 5 | -1.27 | Oct. 5 | -1.08 |
| 11 | +2.27 | 12 | +3.24 | 13 | -1.15 | 11 | -.83 |
| 18 | +2.33 | 19 | +3.25 | 19 | -1.26 | 19 | -.84 |
| 25 | +2.41 | 26 | +3.62 | 26 | -1.20 | 26 | -.56 |
| Feb. 1 | +2.45 | May 3 | +1.25 | Aug. 2 | -1.17 | Nov. 2 | +.69 |
| 8 | +2.49 | 10 | +.25 | 9 | -2.32 | 9 | +1.20 |
| 15 | +2.59 | 17 | -.06 | 16 | -1.25 | 16 | +1.45 |
| 22 | +2.87 | 25 | -.28 | 24 | -1.27 | 23 | +1.71 |
| Mar. 1 | +2.95 | 31 | -.81 | 30 | -1.35 | Dec. 7 | +3.16 |
| 8 | +2.99 | June 7 | -.65 | Sept. 6 | -1.35 | 14 | +3.35 |
| 15 | +3.03 | 14 | -.04 | 13 | -1.23 | 20 | +3.50 |
| 22 | +3.08 | 21 | -.95 | 21 | -1.19 | 28 | +3.56 |
| 29 | +3.20 | 28 | -1.12 | 27 | -1.20 | | |

(C-2-4)33abb4. State claim 808. L. T. Liddell.

Water level, in feet above measuring point, 1941

| | | | | | | | |
|--------|------|--------|------|---------|------|--------|------|
| Jan. 4 | 5.96 | Apr. 5 | 7.15 | July 5 | 2.92 | Oct. 5 | 3.28 |
| 11 | 6.38 | 12 | 7.15 | 13 | 2.98 | 11 | 3.42 |
| 18 | 6.43 | 19 | 7.27 | 19 | 2.94 | 19 | 3.46 |
| 25 | 6.48 | 26 | 7.00 | 26 | 2.96 | 26 | 3.53 |
| Feb. 1 | 6.44 | May 3 | 4.79 | Aug. 2 | 2.98 | Nov. 2 | 4.42 |
| 8 | 6.54 | 10 | 4.21 | 9 | 2.90 | 9 | 4.86 |
| 15 | 6.60 | 17 | 3.85 | 16 | 2.29 | 16 | 5.00 |
| 22 | 6.71 | 25 | 3.79 | 24 | 3.0 | 23 | 5.38 |
| Mar. 1 | 6.88 | 31 | 3.55 | 30 | 2.83 | Dec. 7 | 6.96 |
| 8 | 6.79 | June 7 | 3.70 | Sept. 6 | 2.88 | 14 | 7.16 |
| 15 | 6.95 | 14 | 4.00 | 13 | 3.01 | 20 | 7.28 |
| 22 | 7.01 | 21 | 3.55 | 21 | 3.14 | 28 | 7.19 |
| 29 | 7.15 | 28 | 3.21 | 27 | 3.16 | | |

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurement.

Tooele County - Tooele Valley--Continued

(C-2-4)33abcl. State claim 10615. State of Utah. Unused well, diameter 2 inches, depth 190 feet. Measuring point, top of casing, level with land surface and 4,380.30 feet above mean sea level. Measurements discontinued after Feb. 21, 1941.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|---------------|-------------|
| June 5, 1940 | a 9.67 | Sept. 24, 1940 | a 9.94 | Jan. 21, 1941 | 6.45 |
| July 12 | a 9.80 | Nov. 25 | a 7.38 | Feb. 21 | 6.1 |
| Aug. 5 | a 9.80 | | | | |

(C-2-4)33addl. State claim 899. I. L. Clegg.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 43.11 | 42.70 | 42.35 | 42.07 | 42.34 | 43.27 | 43.57 | 43.75 | 43.87 | 43.73 | 43.26 | ..... |
| 2 | 43.11 | 42.71 | 42.36 | 42.07 | 42.38 | 43.28 | 43.60 | 43.72 | 43.86 | 43.75 | 43.09 | ..... |
| 3 | 43.07 | 42.70 | 42.39 | 42.11 | 42.42 | 43.30 | 43.60 | 43.79 | 43.90 | 43.75 | 43.06 | ..... |
| 4 | 43.03 | 42.69 | 42.32 | 42.06 | 42.45 | 43.23 | 43.60 | 43.79 | 43.92 | 43.67 | 43.03 | ..... |
| 5 | 43.02 | 42.67 | 42.36 | 42.07 | 42.48 | 43.21 | 43.61 | 43.81 | 43.89 | 43.71 | 42.92 | ..... |
| 6 | 43.02 | 42.64 | 42.38 | 42.08 | 42.69 | 43.25 | 43.62 | 43.83 | 43.84 | 43.74 | 42.90 | ..... |
| 7 | 43.01 | 42.65 | 42.38 | 42.05 | 42.72 | 43.24 | 43.61 | 43.81 | 43.87 | 43.67 | 42.88 | ..... |
| 8 | 42.99 | 42.66 | 42.33 | 42.03 | 42.75 | 43.26 | 43.61 | 43.82 | 43.89 | 43.69 | 42.80 | ..... |
| 9 | 43.00 | 42.61 | 42.32 | 41.96 | 42.79 | 43.28 | 43.64 | 43.83 | 43.87 | 43.71 | 42.77 | ..... |
| 10 | 42.95 | 42.59 | 42.29 | 41.97 | 42.81 | 43.24 | 43.65 | 43.84 | 43.84 | 43.66 | 42.76 | 41.78 |
| 11 | 42.92 | 42.50 | 42.29 | 42.01 | 42.82 | 43.18 | 43.66 | 43.84 | 43.80 | 43.63 | 42.72 | 41.79 |
| 12 | 42.91 | 42.61 | 42.29 | 41.99 | 42.79 | 43.14 | 43.65 | 43.85 | 43.82 | 43.61 | 42.68 | ..... |
| 13 | 42.89 | 42.61 | 42.26 | 41.98 | 42.79 | 43.10 | 43.66 | 43.86 | 43.80 | 43.65 | 42.69 | 41.76 |
| 14 | 42.83 | 42.59 | 42.26 | 42.01 | 42.88 | 43.09 | 43.67 | 43.85 | 43.82 | 43.67 | 42.66 | 41.73 |
| 15 | 42.84 | 42.51 | 42.25 | 41.96 | 42.92 | 43.08 | 43.68 | 43.89 | 43.85 | 43.63 | 42.60 | 41.71 |
| 16 | 42.86 | 42.54 | 42.25 | 41.98 | 42.94 | 43.15 | 43.69 | 43.88 | 43.84 | 43.61 | 42.54 | 41.68 |
| 17 | 42.83 | 42.52 | 42.23 | 41.96 | 42.90 | 43.26 | 43.70 | 43.88 | 43.81 | 43.59 | 42.53 | 41.69 |
| 18 | 42.78 | 42.52 | 42.22 | 41.94 | 42.98 | 43.28 | 43.70 | 43.88 | 43.79 | 43.57 | 42.59 | 41.69 |
| 19 | 42.75 | 42.52 | 42.21 | 41.96 | 42.99 | 43.36 | 43.72 | 43.89 | 43.77 | 43.53 | 52.59 | 41.66 |
| 20 | 42.78 | 42.52 | 42.20 | 41.94 | 43.01 | 43.37 | 43.72 | 43.88 | 43.79 | 43.54 | 42.60 | 41.57 |
| 21 | 42.78 | 42.46 | 42.21 | 41.91 | 43.02 | 43.41 | 43.72 | 43.87 | 43.81 | 43.57 | 42.53 | 41.58 |
| 22 | 42.76 | 42.44 | 42.18 | 41.93 | 43.03 | 43.42 | 43.72 | 43.87 | 43.79 | 43.58 | 42.55 | 41.62 |
| 23 | 42.76 | 42.43 | 42.14 | 41.93 | 43.06 | 43.40 | 43.71 | 43.88 | 43.80 | 43.54 | 42.51 | 41.47 |
| 24 | 42.73 | 42.39 | 42.16 | 41.92 | 43.06 | 43.41 | 43.75 | 43.88 | 43.79 | 43.52 | 42.50 | 41.50 |
| 25 | 42.75 | 42.44 | 42.14 | 41.89 | 43.05 | 43.46 | 43.74 | 43.89 | 43.77 | ..... | 42.32 | 41.55 |
| 26 | 42.76 | 42.45 | 42.12 | 41.90 | 43.09 | 43.46 | 43.74 | 43.89 | 43.75 | ..... | 42.26 | 41.52 |
| 27 | 42.80 | 42.42 | 42.08 | 41.88 | 43.11 | 43.47 | 43.73 | 43.88 | 43.80 | 43.42 | ..... | 41.54 |
| 28 | 42.73 | 42.37 | 42.10 | 41.87 | 43.15 | 43.54 | 43.75 | 43.89 | 43.78 | 43.41 | 42.19 | ..... |
| 29 | 42.72 | ..... | 42.07 | 42.08 | 43.19 | 43.53 | 43.77 | 43.87 | 43.76 | 43.42 | ..... | 41.51 |
| 30 | 42.72 | ..... | 42.11 | 42.32 | 43.21 | 43.56 | 43.75 | 43.87 | 43.75 | 43.40 | ..... | ..... |
| 31 | 42.74 | ..... | 42.05 | ..... | 43.25 | ..... | 43.74 | 43.87 | ..... | 43.34 | ..... | 41.46 |

(C-2-4)33baal. State claims 12767 and 17345. Tooele County State Bank. Irrigation well, diameter 4 inches, depth 265 feet. Measuring point, top of ell on casing, 3.3 feet above land surface and 4,353.55 feet above mean sea level. Water level, in feet above measuring point, 1941: Mar. 20, 11.4. Measurements discontinued.

(C-2-4)33bba2. State claim 1576. Edward Weyland. Stock and domestic well, diameter 1½ inches, depth 80 feet. Measuring point, top of casing, 0.8 foot above land surface. Water level, in feet above measuring point, 1941: Mar. 25, 4.0. Measurements discontinued.

(C-2-4)33bba3. State claim 7013. Edward Weyland. Irrigation well, diameter 4 inches, depth 152 feet. Measuring point, top of casing, 0.6 foot above land surface and 4,364.65 feet above mean sea level. Water level, in feet above measuring point, 1941: Mar. 25, 3.6. Measurements discontinued.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-2-4)33bbbl. State claim 17585. Mandy Grgich. Irrigation well, diameter 4 inches, depth 277 feet. Measuring point, top of casing, 0.2 foot above land surface and 4,358.80 feet above mean sea level. Water level, in feet above measuring point, 1941: Oct. 25, 22.5. Measurements discontinued.

(C-2-4)33bcb1. State claims 810 and 8284. Franklin Whitehouse. Irrigation, stock and domestic well, diameter 4 inches, depth 283 feet. Measuring point, top of ell on casing, 0.5 foot above land surface and 4,374.20 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940; 0.65, Feb. 24, 1941, 2.75. Measurements discontinued.

(C-2-4)33bcb2. State claim 16796. Franklin Whitehouse. Unused well, diameter 2 inches, depth 80 feet. Measuring point, top of casing, level with land surface and 4,374.40 feet above mean sea level. Water levels, in feet below measuring point: Oct. 2, 1940, 7.60; Feb. 24, 1941, 4.50. Measurements discontinued.

(C-2-4)33dacl. State claim 1044. Joseph Ekman. Unused well, diameter 6 inches, depth 140 feet. Measuring point, top of cap on casing, 2.5 feet above land surface and 4,440.20 feet above mean sea level. Water levels, in feet below measuring point: Oct. 1, 1940, 66.50; Feb. 24, 1941, 64.40. Measurements discontinued.

(C-2-4)35cbb1. State claim 1031. J. R. Droubay. Irrigation well, diameter 8 inches, depth 178 feet. Measuring point, top of concrete base, 0.6 foot above land surface and 4,480.9 feet above mean sea level. Measurements discontinued after May 23, 1941.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|-------------|-------------|
| Oct. 1, 1940 | 106.37 | Mar. 31, 1941 | 103.97 | May 5, 1941 | 103.82 |
| Feb. 24, 1941 | 104.85 | Apr. 2 | 104.10 | 8 | 103.89 |
| Mar. 4 | 104.30 | 8 | 104.02 | 13 | 103.76 |
| 11 | 104.24 | 17 | 103.89 | 16 | 103.89 |
| 18 | 104.15 | May 1 | 103.71 | 23 | 104.2 |
| 25 | 104.12 | | | | |

(C-2-5)5accl. A. Searle. Stock well, diameter 3 inches. Measuring point, top of casing, level with land surface. Water levels, in feet above measuring point: Feb. 23, 1940, a/b 3.7; Oct. 4, 1940, b 3.42; Mar. 31, 1941, b 3.93. Measurements discontinued.

(C-2-5)5acc3. A. Searle. Unused well, diameter 3 inches. Measuring point, top of coupling, 1.0 foot above land surface. Water levels, in feet below measuring point: Oct. 4, 1940, 2.42; Mar. 31, 1941, 1.84. Measurements discontinued.

(C-2-5)7bdd1. State claim 4681. J. R. Clark. Stock well, diameter 2 inches, depth 300 feet. Measuring point, top of ell, 1.0 foot above land surface and 4,231.78 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, b 1.22; Feb. 25, 1941, b 1.85; Apr. 4, 1941, b 1.29. Measurements discontinued.

(C-2-5)7dcd1. Sam Worthington. Stock well, diameter 3 inches. Measuring point, top of casing, 0.2 foot above land surface and 4,225.95 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, b 7.3; Feb. 25, 1941, b 8.3. Measurements discontinued.

(C-2-5)7ddcl. State claim 1551. A. B. Cole. Stock well, diameter 3 inches, depth 380 feet. Measuring point, top of vertical tee, 0.7 foot above land surface and 4,226.65 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, b 8.1; Feb. 25, 1941, 13.4. Measurements discontinued.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-2-5)13accl. State claim 9035. Garfield Water Co. Stock well, diameter 2 inches, depth 280 feet. Measuring point, top of ell, 2.0 feet above land surface and 4,225.30 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940,a/ 4.3; Feb. 27, 1941,a/ 6.0. Measurements discontinued.

(C-2-5)14adcl. State claim 9038. Garfield Water Co. Stock well, diameter 1½ inches, depth 80 feet. Measuring point, top of casing, 1.0 foot below land surface and 4,219.28 feet above mean sea level. Water levels, in feet above measuring point: Oct. 1, 1940,a/ 18.9; Feb. 27, 1941,a/ 20.1. Measurements discontinued.

(C-2-5)14dbbl. State claim 9029. Garfield Water Co. Stock well, diameter 2 inches, depth 300 feet. Measuring point, top of horizontal outlet pipe, level with land surface and 4,221.26 feet above mean sea level. Water level, in feet above measuring point, 1940: Oct. 1,a/ 19.6. No measurements in 1941. Measurements discontinued.

(C-2-5)17aac2. State claim 17545. Worthington Brothers. Stock well, diameter 2 inches. Measuring point, top of casing, 1.5 feet above land surface and 4,220.57 feet above mean sea level. Water levels, in feet above measuring point: Oct. 5, 1940,a/ 7.6; Mar. 31, 1941,a/ 8.5. Measurements discontinued.

(C-2-5)17bdal. State claim 16760. Alex Johnson. Stock well, diameter 2 inches, depth 100 feet. Measuring point, top of ell on outlet pipe, 1.5 feet below land surface. Water levels, in feet above measuring point, 1941: Mar. 31,a/ 21.7; Apr. 4,a/ 21.7. Measurements discontinued.

(C-2-5)17dbbl. Alex Johnson. Unused well, diameter 2 inches. Measuring point, top of casing at high point, 1.0 foot above land surface and 4,226.29 feet above mean sea level. Water levels, in feet above or below measuring point: Oct. 5, 1940, -0.60; Mar. 31,a/ +3.64. Measurements discontinued.

(C-2-5)18acc2. State claim 16906. W. A. Rupp. Irrigation and domestic well, diameter 3 inches, depth 250 feet. Measuring point, top of casing, 0.5 foot above land surface and 4,229.84 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940,a/ 2.35; Feb. 25, 1941,a/ 3.00. Measurements discontinued.

(C-2-5)19abcl. State claim 17342. J. C. Worthington. Stock well, diameter 2 inches, depth 200 feet. Measuring point, top of casing, 1.0 foot above land surface and 4,232.35 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940,a/ 4.4; Feb. 25, 1941,a/ 6.0. Measurements discontinued.

(C-2-5)19dccl. G. L. Sutton.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 25 | a 3.40 | May 23 | a 3.25 | Aug. 22 | a 2.88 | Nov. 25 | a 3.30 |
| Apr. 4 | a 3.65 | June 24 | a 3.39 | Sept. 25 | a 2.70 | Dec. 22 | a 3.54 |
| 24 | a 3.64 | July 23 | a 3.13 | Oct. 23 | a 2.65 | | |

(C-2-5)22aab1. State claim 9033. Garfield Water Co. Stock well, diameter 2 inches, depth 300 feet. Measuring point, top of casing, level with land surface and 4,229.36 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 37.3; Feb. 27, 1941,a/ 38.6. Measurements discontinued.

(C-2-5)23ccal. State claim 9031. Garfield Water Co. Stock well, diameter 2 inches, depth 80 feet. Measuring point, top of casing, 2.0 feet above land surface and 4,246.67 feet above mean sea level. Water levels, in feet above measuring point: Mar. 19, 1940,a/ 21.35; Oct. 11, a/ 19.85; Feb. 27, 1941,a/ 20.5. Measurements discontinued.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-5)24cac1. Francis Cassity. Unused well, diameter 2 inches. Measuring point, top of tee on casing, 2.2 feet above land surface and 4,253.00 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 3.1; Feb. 27, 1941,a/ 4.6. Measurements discontinued.

(C-2-5)24cac2. Francis Cassity. Unused well, diameter 2 inches. Measuring point, top of iron plug in 2-inch tee, 2.0 feet above land surface and 4,253.48 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 2.8; Feb. 27, 1941,a/ 4.45. Measurements discontinued.

(C-2-5)24cac4. Francis Cassity. Unused well, diameter 2 inches. Measuring point, top of 1-inch tee, 1.6 feet above land surface and 4,253.90 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 11.4; Feb. 27, 1941,a/ 11.7. Measurements discontinued.

(C-2-5)25aab1. State of Utah.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 27 | a 9.9 | June 24 | a 9.6 | Sept. 25 | a 9.2 | Nov. 25 | a 9.3 |
| Apr. 24 | a 9.6 | July 25 | a 9.45 | Oct. 24 | a 9.3 | Dec. 22 | a 9.4 |
| May 23 | a 9.55 | Aug. 22 | a 9.35 | | | | |

(C-2-5)25cdb1. State claim 9165. J. P. Cahoon. Unused well, diameter 2 inches, depth 200 feet. Measuring point, top of casing, level with land surface and 4,286.03 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 7.3; Feb. 26, 1941,a/ 7.8. Measurements discontinued.

(C-2-5)25cdcl. J. P. Cahoon. Unused well, diameter 2 inches. Measuring point, top of casing, 0.5 foot above land surface and 4,293.35 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 5.4; Feb. 26, 1941,a/ 5.7. Measurements discontinued.

(C-2-5)25cdd2. J. P. Cahoon. Unused well, diameter 2 inches. Measuring point, top of casing, level with land surface and 4,294.68 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940, 2.24; Feb. 26, 1941, 2.60. Measurements discontinued.

(C-2-5)25ddd1. State claim 17020. Tooele County State Bank. Stock well, diameter 2 inches, depth 160 feet. Measuring point, top of ell, 2.5 feet above land surface and 4,304.65 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 1.55; Feb. 26, 1941,a/ 2.17. Measurements discontinued.

(C-2-5)25ddd2. State claim 17019. Tooele County State Bank. Stock well, diameter 2 inches, depth 160 feet. Measuring point, top of casing, 0.5 foot above land surface and 4,303.13 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940,a/ 4.8; Feb. 26, 1941,a/ 6.0. Measurements discontinued.

(C-2-5)27aad1. State claim 13113. J. S. Castagno. Irrigation and stock well, diameter 4 inches, depth 120 feet. Measuring point, top of ell, 3.8 feet above land surface and 4,256.20 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940, 9.3; Feb. 27, 1941, 10.1; Apr. 4, 9.9. Measurements discontinued.

(C-2-5)27cbd4. Edward Cassity. Irrigation and stock well, diameter 2 inches. Measuring point, top of casing, 1.0 foot above land surface and 4,262.55 feet above mean sea level. Water levels, in feet above measuring point: Oct. 3, 1940,a/ 6.3; Feb. 25, 1941, 7.4. Measurements discontinued.

a Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-2-5)27ccd3. State claim 17008. Edwin Cassity. Unused well, diameter 2 inches, depth 200 feet. Measuring point, top of coupling, at land surface and 4,270.47 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Oct. 3, 1940 | 0.91 | May 23, 1941 | 0.58 | Sept. 5, 1941 | 0.85 |
| Feb. 25, 1941 | .15 | 30 | .53 | 17 | .94 |
| 27 | .13 | June 6 | .48 | 25 | .99 |
| Mar. 4 | .24 | 12 | .50 | Oct. 3 | 1.02 |
| 11 | .27 | 18 | .49 | 10 | .95 |
| 18 | .28 | 28 | .45 | 17 | .92 |
| 25 | .27 | July 5 | .44 | 24 | .93 |
| 31 | .23 | 12 | .64 | 31 | .87 |
| Apr. 2 | .23 | 23 | .50 | Nov. 7 | .89 |
| 8 | .27 | Aug. 1 | .73 | 14 | .86 |
| 24 | .28 | 8 | .82 | 25 | .80 |
| May 1 | .42 | 15 | .69 | Dec. 15 | .77 |
| 8 | .40 | 22 | .69 | 22 | .71 |
| 16 | .58 | 26 | .74 | | |

(C-2-5)28cdcl. State claim 19892. Allan Fraser. Irrigation and stock well, diameter 2 inches, depth 105 feet. Measuring point, top of casing, level with land surface and 4,272.96 feet above mean sea level. Water level, in feet above measuring point, 1940: Oct. 3, a/ 3.7. Measurements discontinued.

(C-2-5)28cdc3. State claim 19890. Allan Fraser. Irrigation well, diameter 2 inches, depth 100 feet. Measuring point, top of casing, level with land surface and 4,272.97 feet above mean sea level. Water levels, in feet above measuring point: Feb. 21, 1940, b/ 5.0; Feb. 25, 1941, 5.4. Measurements discontinued.

(C-2-5)28ddd1. State claim 1043. F. A. Cassity. Irrigation well, diameter 4 inches, depth 170 feet. Measuring point, top of casing, level with land surface and 4,268.48 feet above mean sea level. Water levels, in feet above measuring point: Oct. 3, 1940, a/ 1.07; Feb. 25, 1941, 1.80. Measurements discontinued.

(C-2-5)29cbal. F. T. Hunter. Stock well, diameter 2 inches. Measuring point, top of casing, 1.8 feet above land surface. Water level, in feet above measuring point, 1941: Mar. 31, a/ 4.0. Measurements discontinued.

(C-2-5)29dcd1. State application 12227. J. R. Clark. Elevation of measuring point is 4,267.48 feet above mean sea level.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Apr. 24 | 24.85 | July 23 | 24.0 | Sept. 25 | 24.3 | Nov. 25 | 24.2 |
| May 23 | 23.9 | Aug. 22 | 24.5 | Oct. 24 | 24.4 | Dec. 22 | 25.3 |
| June 28 | 22.5 | | | | | | |

(C-2-5)29dcc5. State claim 4672. J. R. Clark.

Water level, in feet above measuring point, 1941

| | | | | | | | |
|---------|--------|---------|---------|----------|--------|---------|---------|
| Feb. 27 | 17.7 | June 24 | a 13.45 | Sept. 25 | a 13.5 | Nov. 25 | a 12.85 |
| Apr. 24 | 17.35 | July 23 | a 13.9 | Oct. 24 | a 13.4 | Dec. 22 | a 13.9 |
| May 23 | a 14.9 | Aug. 22 | a 13.75 | | | | |

(C-2-5)30abel. A. D. Stromberg. Stock well, diameter 2 inches. Measuring point, top of ell, 1.7 feet above land surface and 4,244.38 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, a/ 10.3; Feb. 25, 1941, a/ 12.4. Measurements discontinued.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-5)30bcd1. State claim 15321. J. L. Brown. Stock well, diameter 2 inches, depth 225 feet. Measuring point, top of casing, 1.0 foot above land surface and 4,254.44 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, a/ 4.9; Feb. 25, 1941, a/ 6.5. Measurements discontinued.

(C-2-5)30cbcl. State claim 17542. Lucy Matthews. Stock well, diameter 2 inches, depth 140 feet. Measuring point, top of casing, level with land surface and 4,260.55 feet above mean sea level. Water levels, in feet above measuring point: Oct. 11, 1940, a/ 10.3; Feb. 25, 1941, 12.5. Measurements discontinued.

(C-2-5)30daa3. Cassity. Stock well, diameter 2 inches. Measuring point, top of casing, 0.2 foot above land surface and 4,254.04 feet above mean sea level. Water level, in feet above measuring point, 1941: Mar. 31, a/ 13.0. Measurements discontinued.

(C-2-5)30dcbl. State claim 10575. H. G. Willis. Irrigation well, diameter 2 inches, depth 275 feet. Measuring point, top of casing, level with land surface and 4,260.84 feet above mean sea level. Water levels, in feet above measuring point: Mar. 13, 1939, a/b/ 13.9; Apr. 9, 1940, a/b/ 11.45; Oct. 4, a/b/ 10.2; Feb. 25, 1941, 23.7. Measurements discontinued.

(C-2-5)31aaa3. G. N. Anderson. Stock well, diameter 2 inches. Measuring point, top of ell on casing, 1.2 feet above land surface and 4,270.40 feet above mean sea level. Water level, in feet above measuring point, 1941: Mar. 31, a/ 14.2. Measurements discontinued.

(C-2-5)31adb3. State claim 13586. O. E. Peasnell. Irrigation well, diameter 2 inches, depth 260 feet. Measuring point, top of end of discharge pipe, 1.5 feet above land surface and 4,279.69 feet above mean sea level. Water levels, in feet above measuring point: Feb. 13, 1940, a/b/ 9.6; Oct. 4, a/ 7.3; Feb. 25, 1941, a/ 9.3. Measurements discontinued.

(C-2-5)31bbd3. State claim 17112. Tony Castagno.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 25 | 17.4 | June 24 | 14.9 | Sept. 25 | 14.5 | Nov. 25 | 14.9 |
| Apr. 24 | 14.3 | July 23 | 14.8 | Oct. 24 | 15.0 | Dec. 22 | 15.6 |
| May 23 | 13.3 | Aug. 22 | 15.2 | | | | |

(C-2-5)31dad4. State claim 18292. F. A. Tanner. Stock and domestic well, diameter 2 inches, depth 200 feet. Measuring point, top of 1½-inch outlet pipe, 0.5 foot above land surface and 4,295.41 feet above mean sea level. Water levels, in feet above measuring point: Feb. 15, 1940, a/b/ 1.2; Oct. 11, a/ 1.95; Feb. 24, 1941, a/ 2.2. Measurements discontinued.

(C-2-5)31dbb2. State claim 19886. D. N. Judd. Domestic well, diameter 2 inches, depth 225 feet. Measuring point, top of ell on casing, 0.5 foot above land surface and 4,293.67 feet above mean sea level. Water levels, in feet above measuring point: Feb. 14, 1940, a/b/ 3.2; Oct. 11, a/ 2.45; Feb. 24, 1941, a/ 3.30. Measurements discontinued.

(C-2-5)32bdal. State claim 17438. R. A. Mander. Stock well, diameter 2 inches. Measuring point, top of ell, 1.0 foot above land surface and 4,281.3 feet above mean sea level. Water level, in feet above measuring point, 1941: Apr. 2, a/ 11.4. Measurements discontinued.

(C-2-5)32caa2. State claim 7091. J. A. Sloan. Irrigation and domestic well, diameter 2 inches, depth 295 feet. Measuring point, top of ell, 2.5 feet above land surface and 4,290.65 feet above mean sea level. Water levels, in feet above measuring point, 1940: Feb. 19, a/b/ 4.5; Apr. 11, a/b/ 3.5; Oct. 4, a/ 2.12. Measurements discontinued.

a Well flowing prior to measurements.

b Measurements by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-5)32cbb5. F. J. Hale. Stock well, diameter 2 inches. Measuring point, top of ell, 0.5 foot above land surface and 4,287.50 feet above mean sea level. Water levels, in feet above measuring point: Feb. 15, 1940, a/ 8.2; Feb. 26, 1941, 6.9. Measurements discontinued.

(C-2-5)32daal. State claim 7078. A. J. Fraser. Measuring point since Feb. 25, 1941, top of tee 0.10 foot above previous measuring point.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|-----------|-------------|------------|-------------|---------|-------------|
| Feb. 25 | 10.6 | May 23 a | 7.85 | Aug. 22 a | 8.0 | Nov. 25 | 7.8 |
| Apr. 4 | 8.55 | June 24 a | 7.75 | Sept. 25 a | 7.9 | Dec. 22 | 8.2 |
| 24 | 8.1 | July 23 a | 8.10 | Oct. 24 a | 7.9 | | |

(C-2-5)33abc2. J. A. Fawson. Unused well, diameter 3 inches. Measuring point, top of broken ell, 0.3 foot above land surface and 4,278.83 feet above mean sea level. Water level, in feet above or below measuring point: Oct. 3, 1940; -0.75; Feb. 24, 1941, b/ +0.25. Measurements discontinued.

(C-2-5)33bcb3. State claim 17012. Charlotte Fawson. Stock well, diameter 3 inches, depth 260 feet. Measuring point, top of casing, 0.6 foot above land surface and 4,276.91 feet above mean sea level. Water levels, in feet above measuring point: Oct. 3, 1940, b/ 18.6; Feb. 27, 1941, 21.3. Measurements discontinued.

(C-2-5)34aacl. Phoebe Nation. Measurements discontinued after Nov. 25, 1941.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|------|---------|------|----------|------|
| Feb. 26 | 0.42 | Apr. 24 | 0.55 | July 5 | 1.12 | Sept. 25 | 1.30 |
| 27 | .44 | May 1 | .59 | 12 | 1.25 | Oct. 3 | 1.42 |
| Mar. 4 | .38 | 8 | .67 | 23 | 1.40 | 10 | 1.30 |
| 11 | .46 | 16 | .76 | Aug. 1 | .82 | 17 | .95 |
| 18 | .56 | 23 | .81 | 8 | 1.00 | 24 | 1.00 |
| 25 | .45 | 30 | .72 | 15 | .77 | 31 | .90 |
| 31 | .52 | June 6 | .77 | 22 | .86 | Nov. 7 | .91 |
| Apr. 2 | .37 | 12 | .66 | Sept. 2 | 1.11 | 14 | .95 |
| 8 | .45 | 18 | .74 | 5 | 1.11 | 25 | .90 |
| 17 | .39 | 28 | .97 | 17 | 1.27 | | |

(C-2-5)34abcl. State claim 17011. H. W. Hodson. Stock well, diameter 4 inches, depth 320 feet. Measuring point, top of outlet pipe, 2.0 feet above land surface and 4,290.41 feet above mean sea level. Water levels, in feet above measuring point: Oct. 3, 1940, b/ 3.7; Feb. 26, 1941, b/ 4.45. Measurements discontinued.

(C-2-5)34addl. State application 13537. B. H. Woodward. Stock and domestic well, diameter 2 inches, depth 440 feet. Measuring point, top of end of discharge pipe, 1.0 foot above land surface. Water levels, in feet above measuring point, 1941: Oct. 24, b/ 8.15; Nov. 25, b/ 8.1.

(C-2-5)34bcb1. State claim 7609. Federal Land Bank. Stock and domestic well, diameter 2 inches, depth 265 feet. Measuring point, top of ell, 0.5 foot above land surface and 4,283.37 feet above mean sea level. Water levels, in feet above measuring point: Oct. 3, 1940, b/ 10.3; Feb. 25, 1941, b/ 12.8. Measurements discontinued.

(C-2-5)34cbcl. State claim 1561. M. E. Hedden. Irrigation well, diameter 4 inches, depth 320 feet. Measuring point, top of 6-inch outlet pipe, 1.0 foot above land surface and 4,298.25 feet above mean sea level. Water levels, in feet above measuring point: Oct. 3, 1940, b/ 1.33; Feb. 24, 1941, b/ 1.70. Measurements discontinued.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurements.

Tooele County - Tooele Valley--Continued

(C-2-5)35acd1. A. G. Carlson. Unused well, diameter 2 inches. Measuring point, top of casing, 3.5 feet below land surface.

| Water level, in feet below measuring point, 1940-41 | | | | | |
|---|-------------|--------------|-------------|---------------|-------------|
| Date | Water level | Date | Water level | Date | Water level |
| Oct. 2, 1940 | 5.27 | May 16, 1941 | 5.13 | Sept. 5, 1941 | 5.27 |
| Feb. 24, 1941 | 4.96 | 23 | 5.16 | 17 | 5.30 |
| 27 | 4.96 | 30 | 5.17 | 25 | 5.43 |
| Mar. 4 | 4.96 | June 6 | 5.18 | Oct. 3 | 5.45 |
| 11 | 4.97 | 12 | 5.18 | 10 | 5.40 |
| 18 | 4.97 | 18 | 5.19 | 17 | 5.40 |
| 25 | 4.97 | 23 | 5.23 | 24 | 5.40 |
| 31 | 4.99 | 28 | 5.25 | 31 | 5.57 |
| Apr. 2 | 4.98 | July 5 | 5.24 | Nov. 7 | 5.38 |
| 8 | 4.99 | 12 | 5.28 | 14 | 5.37 |
| 17 | 5.02 | Aug. 1 | 3.00 | 25 | 5.33 |
| 24 | 5.05 | 8 | 4.44 | Dec. 8 | 5.28 |
| May 1 | 5.07 | 15 | 3.27 | 22 | 5.26 |
| 5 | 5.08 | 22 | 4.60 | 29 | 5.23 |
| 8 | 5.10 | Sept. 2 | 5.20 | | |

(C-2-5)36acd1. Unused well, diameter 4 inches. Measuring point, top of casing, 0.5 foot above land surface and 4,320.57 feet above mean sea level. Water levels, in feet below measuring point: Oct. 2, 1940, 30.93; Feb. 26, 1941, 30.43. Measurements discontinued.

(C-2-5)36add2. State claim 1071. E. W. Herron. Stock and domestic well, diameter 2 inches, depth 305 feet. Measuring point, top of concrete trough at southeast corner, 2.5 feet above land surface and 4,325.16 feet above mean sea level. Water level, in feet above measuring point, 1940: Oct. 2, 2.1. No measurements in 1941. Measurements discontinued.

(C-2-5)36caal. State claim 13692. J. A. and S. W. Smith.

| Water level, in feet below measuring point, 1941 | | | | | | | |
|--|-------------|---------|-------------|---------|-------------|----------|-------------|
| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
| Jan. 1 | 32.82 | Mar. 31 | 32.52 | June 12 | 32.59 | Sept. 25 | 32.75 |
| 9 | 32.77 | Apr. 2 | 32.54 | 18 | 32.60 | Oct. 3 | 32.93 |
| 17 | 32.75 | 4 | 32.54 | 28 | 32.63 | 10 | 32.89 |
| 24 | 32.68 | 8 | 32.55 | July 5 | 32.60 | 17 | 32.85 |
| 31 | 32.71 | 17 | 32.53 | 12 | 32.69 | 24 | 32.84 |
| Feb. 24 | 32.59 | 24 | 32.56 | 23 | 32.73 | 31 | 32.80 |
| 26 | 32.60 | 28 | 32.55 | Aug. 1 | 32.73 | Nov. 7 | 32.81 |
| 27 | 32.59 | May 1 | 32.53 | 8 | 32.79 | 14 | 32.75 |
| Mar. 4 | 32.56 | 5 | 32.55 | 15 | 32.79 | 25 | 32.78 |
| 11 | 32.57 | 8 | 32.54 | 22 | 32.73 | Dec. 8 | 32.65 |
| 16 | 32.64 | 16 | 32.60 | Sept. 2 | 32.76 | 15 | 32.64 |
| 18 | 32.59 | 23 | 32.61 | 10 | 32.78 | 22 | 32.62 |
| 25 | 32.55 | 30 | 32.61 | 17 | 32.79 | 29 | 32.55 |
| 30 | 32.59 | June 6 | 32.62 | | | | |

(C-2-5)36dad2. R. J. Nelson. Stock well, diameter 3 inches. Measuring point, top of casing, 0.8 foot above land surface and 4,340.10 feet above mean sea level. Water levels, in feet above measuring point: Oct. 2, 1940, a/ 5.9; Feb. 26, 1941, a/ 8.2. Measurements discontinued.

(C-2-6)15dcb2. Alex Johnson. Stock well, diameter 4 inches. Measuring point, top of casing, 1.5 feet above land surface and 4,258.11 feet above mean sea level. Water levels, in feet above measuring point: Jan. 24, 1940, a/b/ 5.9; Oct. 5, 1940, a/ 5.5; Feb. 26, 1941, a/ 6.2. Measurements discontinued.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-6)23bad1. State claim 4683. E. M. Clark. Stock well, diameter 3 inches, depth 70 feet. Measuring point, top of ell on casing, 1.0 foot above land surface and 4,250.18 feet above mean sea level. Measurements discontinued after Feb. 26, 1941.

Water level, in feet above measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 24, 1940 | ab 15.6 | Aug. 5, 1940 | ab 15.5 | Feb. 26, 1941 | a 16.2 |
| Apr. 18 | ab 16.2 | Oct. 5 | a 15.2 | | |

(C-2-6)23bad2. E. M. Clark. Unused well, diameter 2 inches. Measuring point, top of casing at high point, 0.4 foot above land surface and 4,252.62 feet above mean sea level. Water levels, in feet above or below measuring point: Oct. 5, 1940, -0.75; Feb. 26, 1941, a/ +1.75. Measurements discontinued.

(C-2-6)23bbc2. Leslie Wrathall. Stock well, diameter 2 inches. Measuring point, top of casing, 0.5 foot below land surface and 4,262.08 feet above mean sea level. Water levels, in feet above measuring point: Jan. 24, 1940, a/ 4.45; Aug. 5, a/ 5.0; Feb. 26, 1941, a/ 5.8. Measurements discontinued.

(C-2-6)23bdd1. State claim 19162. C. H. Worthington. Stock well, diameter 2 inches, depth 150 feet. Measuring point, top of casing, 1.0 foot above land surface and 4,251.26 feet above mean sea level. Water levels, in feet above measuring point: Aug. 5, 1940, a/ 7.9; Feb. 26, 1941, a/ 11.4. Measurements discontinued.

(C-2-6)23cbb1. State claim 16776. C. H. Worthington. Unused well, diameter 6 inches, depth 210 feet. Measuring point, top of coupling on casing, 0.8 foot above land surface and 4,273.59 feet above mean sea level.

Water level, in feet below measuring point, 1937, 1940-41

| | | | | | |
|---------------|--------|---------------|------|---------------|------|
| Dec. 27, 1937 | b 4.20 | Mar. 31, 1941 | 3.84 | July 12, 1941 | 3.87 |
| Jan. 17, 1940 | b 3.86 | Apr. 2 | 3.82 | 23 | 3.88 |
| Feb. 6 | b 3.80 | 4 | 3.82 | Aug. 1 | 3.86 |
| Mar. 5 | b 3.78 | 8 | 3.84 | 8 | 3.91 |
| Apr. 3 | b 3.76 | 17 | 3.80 | 15 | 3.95 |
| June 6 | b 3.88 | 24 | 3.81 | 22 | 3.95 |
| July 10 | b 4.10 | May 1 | 3.78 | Sept. 4 | 4.00 |
| Aug. 5 | b 4.30 | 8 | 3.80 | 17 | 3.99 |
| Sept. 24 | b 4.35 | 16 | 3.84 | 25 | 4.00 |
| Oct. 4 | b 4.30 | 23 | 3.83 | Oct. 3 | 4.00 |
| Nov. 29 | b 4.15 | 30 | 3.82 | 10 | 3.99 |
| Jan. 21, 1941 | 4.1 | June 6 | 3.81 | 17 | 3.95 |
| Feb. 21 | 3.91 | 12 | 3.80 | 24 | 3.95 |
| 26 | 3.92 | 18 | 3.78 | 31 | 3.91 |
| Mar. 4 | 3.87 | 23 | 3.79 | Nov. 7 | 3.95 |
| 11 | 3.87 | 28 | 3.84 | 25 | 3.95 |
| 18 | 3.88 | July 5 | 3.85 | Dec. 22 | 3.77 |
| 25 | 3.88 | | | | |

(C-2-6)24add1. State claim 19451. Murray Eliason. Stock well, diameter 2 inches. Measuring point, top of casing, 1.5 feet above land surface and 4,239.10 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, a/ 10.8; Feb. 26, 1941, a/ 11.8. Measurements discontinued.

(C-2-6)24cbb2. State claim 16967. C. H. Worthington. Stock well, diameter 2 inches. Measuring point, top of casing, 0.6 foot above land surface and 4,243.88 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, a/ 15.8; Feb. 26, 1941, a/ 17.0. Measurements discontinued.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-6)24dcd1. State claim 10580. John and Hilda Erickson. Stock well, diameter $1\frac{1}{2}$ inches, depth 150 feet. Measuring point, top of casing, 1.1 feet above land surface and 4,242.94 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, a/ 8.6; Feb. 26, 1941, a/ 10.7. Measurements discontinued.

(C-2-6)25abd1. State claim 17760. Ada Anderson. Stock well, diameter 2 inches. Measuring point, top of casing, 0.7 foot above land surface and 4,253.30 feet above mean sea level. Water level, in feet above measuring point, 1941: Feb. 27, 8.95. Measurements discontinued.

(C-2-6)25cdc2. State claim 16. J. R. Clark.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 26 | 12.0 | June 28 | 12.55 | Sept. 25 | 10.3 | Nov. 25 | 11.9 |
| Apr. 24 | 12.4 | July 23 | 12.6 | Oct. 24 | 12.0 | Dec. 22 | 12.1 |
| May 23 | 12.9 | Aug. 22 | 10.65 | | | | |

(C-2-6)25dbb1. State claim 19853. P. E. Wrathall. Stock well, diameter 2 inches, depth 210 feet. Measuring point, top of concrete reservoir at southeast corner, 2.0 feet above land surface and 4,263.97 feet above mean sea level. Water levels, in feet above measuring point: Oct. 4, 1940, a/ 5.5; Feb. 27, 1941, a/ 7.3. Measurements discontinued.

(C-2-6)26aad1. R. C. Jefferies. Irrigation and stock well, diameter 2 inches. Measuring point, top of $\frac{1}{2}$ -inch tee, 1.2 feet above land surface and 4,256.5 feet above mean sea level. Water levels, in feet above measuring point: Jan. 24, 1940, a/b/ 17.7; Oct. 11, a/ 17.1; Feb. 26, 1941, a/ 18.45. Measurements discontinued.

(C-2-6)26adb1. State claim 13591. S. H. Worthington. Stock well, diameter 2 inches, depth 160 feet. Measuring point, top of casing, 1.0 foot above land surface. Water levels, in feet above measuring point: Jan. 24, 1940, a/b/ 12.34; Oct. 5, 1940, a/ 11.7; Feb. 26, 1941, a/ 12.5. Measurements discontinued.

(C-2-6)36abb2. State claim 7977. Edith Jefferies. Irrigation well, diameter 3 inches, depth 100 feet. Measuring point, top of tee on casing, 2.1 feet above land surface and 4,277.95 feet above mean sea level. Measurements discontinued after Feb. 25, 1941.

Water level, in feet above measuring point, 1939-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Dec. 29, 1939 | b 10.5 | Apr. 3, 1940 | b 10.8 | Nov. 29, 1940 | b 11.0 |
| Jan. 17, 1940 | b 10.6 | June 6 | b 10.7 | Jan. 21, 1941 | b 11.8 |
| 30 | ab 10.75 | July 10 | ab 10.1 | Feb. 21 | b 11.9 |
| Feb. 6 | b 10.75 | Aug. 5 | ab 9.1 | 25 | 12.25 |
| Mar. 5 | b 11.25 | Sept. 24 | ab 9.7 | | |

(C-2-6)36abb3. State claim 12802. Paul Wrathall. Stock, domestic well, diameter $1\frac{1}{2}$ inches, depth 80 feet. Measuring point, top of $1\frac{1}{2}$ -inch ell on casing, 2.0 feet above land surface and 4,277.16 feet above mean sea level. Measurements discontinued after Feb. 25, 1941.

Water level, in feet above measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 17, 1940 | b 8.0 | June 6, 1940 | ab 8.2 | Nov. 29, 1940 | ab 8.3 |
| 30 | ab 8.25 | July 10 | ab 7.6 | Jan. 21, 1941 | b 10.05 |
| Feb. 6 | ab 8.25 | Aug. 5 | ab 6.7 | Feb. 21 | b 10.25 |
| Mar. 5 | b 8.8 | Sept. 24 | ab 7.1 | 25 | a 9.9 |
| Apr. 3 | b 8.45 | | | | |

a Well flowing prior to measurement.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-6)36baa8. State claim 16575. J. R. Clark.

Water level, in feet above measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Feb. 26 | a 3.30 | June 24 | a 5.5 | Sept. 25 | a 2.88 | Nov. 25 | a 3.35 |
| Apr. 24 | a 4.15 | July 23 | a 4.9 | Oct. 24 | a 2.90 | Dec. 22 | a 3.90 |
| May 23 | a 5.2 | Aug. 22 | a 3.15 | | | | |

(C-2-6)36bacl. State application 12189. J. R. Clark. Unused well, diameter 6 inches, depth 302 feet. Measuring point, top of casing, 0.8 foot above land surface and 4,322.32 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|--------------|-------------|
| Jan. 17, 1940 | b 23.04 | Apr. 4, 1941 | 22.50 | Aug. 8, 1941 | 22.20 |
| Feb. 7 | b 22.90 | | 22.53 | 15 | 22.44 |
| Mar. 4 | b 22.87 | 17 | 22.53 | 22 | 22.34 |
| Apr. 3 | b 22.96 | 24 | 22.50 | Sept. 5 | 22.45 |
| June 6 | b 22.95 | May 1 | 22.36 | 10 | 22.27 |
| July 12 | b 23.53 | 8 | 22.23 | 17 | 22.30 |
| Aug. 5 | b 23.95 | 16 | 22.03 | 25 | 22.36 |
| Sept. 24 | b 23.72 | 23 | 21.77 | Oct. 3 | 22.44 |
| Nov. 29 | b 23.7 | 30 | 21.52 | 10 | 22.43 |
| Jan. 21, 1941 | b 23.22 | June 6 | 21.32 | 17 | 22.45 |
| Feb. 21 | b 22.97 | 12 | 21.17 | 24 | 22.47 |
| 25 | 22.96 | 18 | 20.92 | 31 | 22.40 |
| 27 | 22.94 | 23 | 20.90 | Nov. 7 | 22.48 |
| Mar. 4 | 22.94 | 28 | 20.98 | 14 | 22.46 |
| 11 | 22.92 | July 5 | 21.06 | 25 | 22.46 |
| 18 | 22.91 | 12 | 21.12 | Dec. 15 | 22.32 |
| 25 | 22.79 | 23 | 21.16 | 22 | 22.25 |
| 31 | 22.54 | Aug. 1 | 21.77 | 29 | 22.25 |
| Apr. 2 | 22.53 | | | | |

(C-2-6)36bda3. State claim 16961. T. Suffon. Domestic well, diameter 4 inches. Measuring point, top of casing, 10 feet below land surface and 4,310.12 feet above mean sea level. Measurements discontinued after Feb. 21, 1941. All measurements by Utah State Engineer in cooperation with Works Projects Administration.

Water level, in feet below measuring point, 1939-41

| | | | | | |
|---------------|-------|--------------|-------|---------------|-------|
| Nov. 7, 1939 | 12.78 | Feb. 6, 1940 | 12.58 | Jan. 21, 1941 | 12.95 |
| Dec. 29 | 12.4 | Mar. 4 | 12.44 | Feb. 21 | 12.44 |
| Jan. 16, 1940 | 12.25 | May 2 | 12.49 | | |

(C-2-6)36bdd1. State claim 13690. Grantsville City. Water levels, in feet below measuring point, 1941: Feb. 27, 35.66; Apr. 24, 35.09; May 23, 34.38. Measurements discontinued.

(C-2-6)36odd1. Dale Arbon.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 82.45 | 82.08 | 81.58 | 81.41 | 79.98 | 79.22 | 79.22 | 80.52 | 80.52 | 81.19 | 81.16 | |
| 2 | 82.45 | 82.08 | 81.57 | 81.36 | 79.90 | 79.22 | 79.83 | 80.52 | 80.52 | 81.20 | 81.13 | |
| 3 | 82.44 | 82.09 | 81.58 | 81.36 | 79.85 | 79.22 | 79.88 | 80.57 | 80.96 | 81.21 | 81.03 | |
| 4 | 82.49 | 82.42 | 82.04 | 81.53 | 81.35 | 79.80 | 79.23 | 79.92 | 80.59 | 80.94 | 81.21 | 81.10 |
| 5 | 82.51 | 82.42 | 82.07 | 81.68 | 81.32 | 79.75 | 79.25 | 79.98 | 80.60 | 80.98 | 81.18 | 81.10 |
| 6 | 82.52 | 82.44 | 82.08 | 81.70 | 81.31 | 79.27 | 80.02 | 80.52 | 80.52 | 81.02 | 81.19 | 81.10 |
| 7 | 82.54 | 82.44 | 82.07 | 81.69 | 81.36 | 79.72 | 79.30 | 80.03 | 80.66 | 80.99 | 81.18 | 81.10 |
| 8 | 82.55 | 82.38 | 82.00 | 81.70 | 81.23 | 79.69 | 79.32 | 80.05 | 80.68 | 81.03 | 81.19 | 81.08 |
| 9 | 82.54 | 82.32 | 82.00 | 81.67 | 81.19 | 79.66 | 79.34 | 80.10 | 80.69 | 81.05 | 81.18 | 81.07 |
| 10 | 82.53 | 82.30 | 81.94 | 81.69 | 81.15 | 79.64 | 79.36 | 80.12 | 80.70 | 81.03 | 81.20 | 81.08 |

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-2-6)36odd1.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11 | 82.60 | 82.22 | 81.94 | ..... | 81.09 | 79.61 | 79.40 | 80.14 | ..... | 81.04 | 81.20 | 81.08 |
| 12 | 82.59 | 82.27 | 81.93 | ..... | 81.03 | 79.57 | 79.39 | 80.17 | ..... | 81.03 | 81.17 | 81.08 |
| 13 | 82.59 | 82.19 | 81.90 | 81.61 | 80.99 | 79.52 | 79.42 | 80.20 | 80.72 | 81.08 | 81.20 | 81.08 |
| 14 | 82.58 | ..... | ..... | 81.62 | 80.96 | 79.48 | 79.44 | 80.23 | 80.73 | 81.10 | 81.18 | 81.05 |
| 15 | 82.59 | 82.17 | ..... | 81.59 | 80.91 | 79.43 | 79.47 | 80.26 | 80.75 | 81.09 | 81.15 | 81.05 |
| 16 | 82.59 | 82.16 | 81.87 | 81.60 | 80.82 | 79.36 | 79.48 | 80.27 | 80.73 | 81.08 | 81.12 | 81.00 |
| 17 | 82.58 | 82.11 | 81.84 | 81.57 | 80.75 | 79.29 | 79.49 | 80.30 | 80.74 | 81.09 | 81.09 | 81.03 |
| 18 | ..... | 82.10 | 81.83 | 81.55 | 80.70 | 79.20 | 79.48 | 80.34 | 80.73 | ..... | 81.10 | 81.01 |
| 19 | 82.56 | 82.09 | 81.80 | 81.55 | 80.65 | ..... | 79.52 | 80.36 | 80.71 | ..... | 81.17 | 80.99 |
| 20 | 82.55 | 82.09 | 81.80 | 81.52 | 80.60 | ..... | 79.53 | 80.38 | 80.74 | 81.10 | 81.18 | 80.92 |
| 21 | 82.55 | 82.07 | 81.81 | 81.50 | 80.56 | 79.14 | 79.54 | 80.40 | 80.77 | 81.11 | 81.13 | 80.95 |
| 22 | 82.52 | 82.06 | 81.80 | 81.48 | 80.53 | 79.14 | 79.54 | ..... | 80.79 | 81.13 | 81.16 | 80.97 |
| 23 | 82.52 | 82.07 | 81.79 | 81.47 | 80.49 | 79.13 | 79.54 | ..... | 80.83 | 81.13 | 81.18 | ..... |
| 24 | 82.53 | 82.05 | 81.79 | 81.46 | 80.45 | 79.11 | 79.59 | ..... | 80.85 | 81.13 | 81.18 | ..... |
| 25 | 82.55 | 82.07 | 81.78 | 81.45 | 80.40 | 79.16 | 79.61 | ..... | ..... | 81.14 | 81.17 | ..... |
| 26 | 82.55 | 82.07 | 81.75 | 81.46 | 80.35 | 79.14 | ..... | 80.44 | ..... | 81.16 | 81.17 | ..... |
| 27 | 82.56 | 82.07 | 81.73 | 81.45 | 80.30 | 79.14 | ..... | 80.44 | ..... | 81.14 | 81.15 | 81.04 |
| 28 | 82.50 | ..... | 81.69 | 81.44 | 80.26 | ..... | ..... | 80.46 | ..... | 81.14 | 81.16 | 81.04 |
| 29 | 82.51 | ..... | 81.66 | 81.43 | 80.21 | 79.18 | ..... | 80.46 | ..... | 81.16 | 81.17 | 81.03 |
| 30 | 82.50 | ..... | 81.66 | 81.43 | 80.15 | 79.19 | ..... | 80.50 | ..... | 81.17 | 81.18 | 81.01 |
| 31 | 82.46 | ..... | 81.58 | ..... | 80.01 | ..... | ..... | 80.50 | ..... | 81.15 | ..... | 80.96 |

(C-2-6)36dbal. LeMoyné Rowberry. Unused well, diameter 3 inches, depth 135 feet. Measuring point, top of casing, 1.5 feet below land surface and 4,325.09 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 17, 1940 | a 30.29 | Apr. 17, 1941 | 29.69 | Aug. 22, 1941 | 28.83 |
| June 6 | a 29.53 | 24 | 29.65 | Sept. 5 | 29.08 |
| July 12 | a 30.17 | May 1 | 29.49 | 10 | 29.13 |
| Aug. 5 | a 30.60 | 5 | 29.41 | 17 | 29.20 |
| Sept. 5 | a 30.79 | 8 | 29.33 | 25 | 29.32 |
| Oct. 5 | 30.82 | 16 | 28.91 | Oct. 3 | 29.32 |
| Nov. 29 | a 30.93 | 23 | 28.58 | 10 | 29.33 |
| Jan. 21, 1941 | a 30.64 | 30 | 28.29 | 17 | 29.35 |
| Feb. 21 | a 30.21 | June 6 | 27.98 | 24 | 29.31 |
| 25 | 30.20 | 12 | 27.74 | 31 | 29.36 |
| 27 | 30.18 | 18 | 27.55 | Nov. 3 | 29.44 |
| Mar. 4 | 30.15 | 23 | 27.52 | 7 | 29.46 |
| 11 | 30.09 | 28 | 27.62 | 14 | 29.46 |
| 18 | 30.02 | July 5 | 27.68 | 21 | 29.40 |
| 25 | 29.98 | 12 | 27.82 | 25 | 29.47 |
| 31 | 29.79 | 23 | 28.00 | Dec. 8 | 29.35 |
| Aug. 2 | 29.79 | Aug. 1 | 28.23 | 15 | 29.32 |
| 4 | 29.73 | 8 | 28.52 | 22 | 29.29 |
| 8 | 29.78 | 15 | 28.76 | 29 | 29.29 |

(C-3-5)4bb1. Stanley Stromberg. Stock well, diameter 2 inches, depth 360 feet. Measuring point, top of tee on casing, 6.0 feet below land surface and 4,305.2 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|-------------|-------------|
| Oct. 3, 1940 | 4.65 | Mar. 25, 1941 | 4.32 | May 1, 1941 | 4.59 |
| Feb. 24, 1941 | 3.55 | 31 | 4.30 | 8 | 4.70 |
| 27 | 3.32 | Apr. 2 | 4.30 | 16 | 4.76 |
| Mar. 4 | 3.88 | 8 | 4.46 | 23 | 4.70 |
| 11 | 3.89 | 17 | 4.41 | 30 | 4.67 |
| 18 | 4.26 | 24 | 4.53 | June 6 | 4.49 |

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Tooele County - Tooele Valley--Continued

(C-3-5)4bbl.--Continued.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| June 18, 1941 | 4.58 | Aug. 22, 1941 | 4.61 | Nov. 3, 1941 | 4.72 |
| 23 | 4.62 | 27 | 4.62 | 7 | 4.82 |
| 28 | 4.65 | Sept. 5 | 4.76 | 14 | 4.73 |
| July 5 | 4.55 | 17 | 4.76 | 25 | 4.78 |
| 12 | 4.49 | Oct. 3 | 4.69 | Dec. 8 | 4.45 |
| 23 | 4.51 | 10 | 4.75 | 15 | 4.45 |
| Aug. 1 | 4.60 | 17 | 4.65 | 22 | 4.44 |
| 8 | 4.62 | 24 | 4.70 | 29 | 4.05 |
| 15 | 4.66 | 31 | 4.76 | | |

(C-3-5)5babl. State claim 15325. L. S. Tate.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|---------|-------------|---------|-------------|
| Feb. 24 | 2.68 | May 8 | 2.68 | Aug. 1 | 1.64 | Oct. 24 | 2.14 |
| 27 | 2.74 | 16 | 2.48 | 8 | 1.69 | 31 | 2.23 |
| Mar. 4 | 2.72 | 23 | 2.41 | 15 | 1.68 | Nov. 3 | 2.14 |
| 11 | 2.75 | 30 | 2.12 | 22 | 1.70 | 7 | 2.18 |
| 18 | 2.75 | June 6 | 2.05 | 27 | 1.71 | 14 | 2.18 |
| 25 | 2.80 | 12 | 1.78 | Sept. 5 | 1.84 | 21 | 2.23 |
| 31 | 2.84 | 18 | 1.69 | 10 | 1.85 | 25 | 2.20 |
| Apr. 2 | 2.78 | 23 | 1.59 | 17 | 1.96 | Dec. 8 | 2.07 |
| 8 | 2.83 | 28 | 1.73 | 25 | 2.08 | 15 | 1.98 |
| 17 | 2.55 | July 5 | 1.55 | Oct. 3 | 2.06 | 22 | 1.88 |
| 24 | 2.67 | 12 | 1.65 | 10 | 2.07 | 29 | 1.88 |
| May 1 | 2.70 | 23 | 1.62 | 17 | 2.12 | | |

(C-3-5)5bcb1. State claim 7054. Lenus Peterson. Domestic well, diameter 3 inches, depth 225 feet. Measuring point, top of casing, 1.0 foot above land surface and 4,329.35 feet above mean sea level. Water level, in feet below measuring point, 1940: Oct. 4, 25.73. No measurements in 1941. Measurements discontinued.

(C-3-5)6aabl. State claim 2445. A. L. Edler. Domestic well, diameter 2 inches, depth 240 feet. Measuring point, top of pitcher pump base, 1.0 foot above land surface and 4,312.9 feet above mean sea level. Measurements discontinued after Apr. 24, 1941.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Oct. 4, 1940 | 11.00 | Mar. 11, 1941 | 11.05 | Apr. 2, 1941 | 11.02 |
| Feb. 24, 1941 | 11.20 | 18 | 11.06 | 8 | 10.97 |
| 27 | 11.23 | 25 | 11.07 | 17 | 10.89 |
| Mar. 4 | 11.11 | 31 | 11.00 | 24 | 10.87 |

(C-3-5)6acbl. State claim 13584. L. W. Hale. Stock well, diameter 4 inches, depth 85 feet. Measuring point, top of casing, level with land surface and 4,344.0 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Oct. 4, 1940 | a 41.8 | Aug. 15, 1941 | 38.54 | Nov. 3, 1941 | 39.86 |
| Mar. 25, 1941 | a 42.5 | 22 | 38.70 | 7 | 39.95 |
| June 12 | 37.66 | 27 | 38.85 | 14 | 40.06 |
| 18 | 37.90 | Sept. 5 | 38.97 | 21 | 40.05 |
| 23 | 38.06 | 17 | 39.23 | 25 | 40.12 |
| 28 | 37.91 | Oct. 3 | 39.54 | Dec. 8 | 40.04 |
| July 5 | 37.93 | 10 | 39.60 | 15 | 40.11 |
| 23 | 38.15 | 17 | 39.75 | 22 | 40.16 |
| Aug. 1 | 38.35 | 24 | 39.82 | 29 | 40.18 |
| 8 | 38.34 | 31 | 39.78 | | |

a Windmill pumping.

Tooele County - Tooele Valley--Continued

(C-3-5)6bab1. State claim 7015. O. M. Walk. Domestic well, diameter 4 inches, depth 99 feet. Measuring point, top of casing, 19.3 feet below land surface and 4,310.01 feet above mean sea level. Water levels, in feet below measuring point: Oct. 4, 1940, 15.30; Feb. 24, 1941, 14.95. Measurements discontinued.

(C-3-5)6ddal. State claim 9952. Federal Land Bank. Stock well, diameter 3 inches, depth 120 feet. Measuring point, top of casing, 2.0 feet above land surface and 4,364.4 feet above mean sea level.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Oct. 3, 1940 | 58.72 | May 16, 1941 | 57.64 | Aug. 27, 1941 | 56.54 |
| Feb. 24, 1941 | 58.82 | 23 | 57.63 | Sept. 5 | 56.62 |
| 27 | 58.54 | 30 | 57.64 | 17 | 56.64 |
| Mar. 4 | 58.41 | June 6 | 57.52 | 25 | 56.72 |
| 11 | 58.37 | 12 | 56.91 | Oct. 3 | 56.80 |
| 18 | 58.34 | 18 | 57.00 | 10 | 57.03 |
| 25 | 58.37 | 23 | 57.10 | 24 | 57.02 |
| 31 | 58.39 | July 5 | 56.90 | 31 | 57.25 |
| Apr. 2 | 58.40 | 12 | 56.85 | Nov. 3 | 57.28 |
| 8 | 58.25 | 23 | 56.80 | 7 | 57.13 |
| 17 | 58.07 | Aug. 1 | 56.65 | 14 | 57.18 |
| 24 | 58.15 | 8 | 56.65 | 25 | 57.28 |
| May 1 | 58.16 | 15 | 56.67 | Dec. 22 | 57.17 |
| 8 | 57.98 | 22 | 56.52 | 29 | 57.15 |

Uintah County

U(B-1-1)2ca2. Jay Larson. Water level, in feet below measuring point, 1941: Oct. 1, 10.61.

U(D-1-1)14bbcl. State claim 1868. George Hackford. Water level, in feet below measuring point, 1941: Oct. 1, 9.69.

U(D-1-1)19cc. Bennett School. Water level, in feet below measuring point, 1941: Oct. 1, 3.35.

U(D-1-1)23ab. Albert Daniels. Water level, in feet below measuring point, 1941: Oct. 1, 12.69.

(D-3-21)17cdal. State claim 6641. M. M. Bingham. Water level, in feet above measuring point, 1941: Oct. 1, a/ 3.6.

(D-3-21)30dc. State claim 2629. R. G. Alexander. Water level, in feet above measuring point, 1941: Oct. 1, a/ 2.87.

(D-4-2)2bcd1. Gibson Ranch Co. Water level, in feet below measuring point, 1941: Oct. 2, 6.45.

(D-4-21)12accl. Lonzo McCarl. Water level, in feet below measuring point, 1941: Oct. 2, 6.10.

(D-4-21)15dddl. Bill Hall. Water level, in feet below measuring point, 1941: Oct. 2, 5.36.

(D-4-21)24dhbl. State claim 6931. Peter Erickson. Water level, in feet below measuring point, 1941: Oct. 2, 4.27.

(D-4-21)28daa. Drought Relief Administration. No measurements in 1941.

a Well flowing prior to measurements.

Utah County - Cedar Valley

(C-6-2)29dccl. Henry Armstrong. Water levels, in feet above measuring point, 1941: Jan. 20,a/ 4.6; Dec. 30,a/ 6.3.

(C-6-2)32baa2. State claim 17686. W. C. Thomas. Water levels, in feet above measuring point, 1941: Jan. 20,a/ 2.53; Dec. 30,a/ 4.00

Utah County - Goshen Valley

(C-9-1)26dcbl. State claim 17465. R. C. Lewis. Water levels, in feet above measuring point, 1941: Jan. 21,a/ 2.30; Mar. 18,a/ 2.40; Nov. 26,a/ 2.60.

(C-10-1)2aad1. State claim 5206. Albert Morgan. Water levels, in feet below measuring point, 1941: Jan. 21, 15.26; Mar. 18, 14.86; Nov. 25, 9.56.

(D-9-1)29odd1. Water levels, in feet below measuring point, 1941: Jan. 21, 27.75; Mar. 18, 28.09; Nov. 26, 26.35.

Utah County - Utah Lake Valley

(C-5-1)2daal-2-3. State claims 10922, 10923 and 10924. O. J. Roberts. Measuring point since Jan. 14, 1941, is top of casing 0.4 foot above land surface and 0.6 foot below top of 5-inch tee. Water levels, in feet below measuring point, 1941: Jan. 14, 18.90; Mar. 17, 19.09; Nov. 21,b/ 19.15; Dec. 30, 18.66.

(D-5-1)8aaal. State claim 11095. Lehi Irrigation Co. Water levels, in feet below measuring point, 1941: Jan. 20, 35.58; Mar. 17, 35.46; Dec. 31, 30.42.

(D-5-1)9ccc3. State claim 16332. E. N. Webb. Water levels, in feet above measuring point, 1941: Jan. 20, 3.18; Mar. 17, 3.48; Nov. 25,b/ 8.1; Dec. 31, 8.7.

(D-5-1)9cdc2. State claim 10991. Lehi Irrigation Co. Measuring point since Jan. 20, 1941, is top of casing 0.4 foot below top of coupling and 0.6 foot above land surface. Water levels, in feet above measuring point, 1941: Jan. 20, 31.9; Mar. 17, 32.35; Dec. 31, 41.5.

(D-5-1)9dbbl. State claim 11083. City of Lehi. Water levels, in feet below measuring point, 1941: Jan. 20, 14.33; Mar. 17, 14.48; Nov. 26,b/ 9.21; Dec. 31, 8.61.

(D-5-1)14adbl. State claim 8371. Drought Relief Administration.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 66.07 | 65.95 | 65.87 | 65.92 | 65.77 | 64.92 | 60.78 | 58.97 | 58.37 | 57.53 | 57.03 | 56.86 |
| 2 | 66.09 | 65.99 | 65.71 | 66.03 | 65.77 | 64.84 | 60.70 | 59.05 | 58.22 | 57.40 | 56.97 | 56.74 |
| 3 | 66.06 | 66.04 | 65.98 | 66.19 | 65.77 | 64.63 | 60.58 | 59.16 | 58.19 | 57.50 | 57.12 | 56.38 |
| 4 | 65.82 | 66.03 | 66.06 | 66.22 | 65.78 | 64.37 | 60.46 | 59.18 | 58.25 | 57.29 | 57.14 | 56.64 |
| 5 | 65.81 | 65.89 | 65.99 | 65.90 | 65.93 | 64.21 | 60.42 | 59.13 | 58.22 | 57.25 | 57.23 | 56.87 |
| 6 | 65.92 | 65.77 | 66.18 | 66.16 | 66.02 | 64.01 | 60.47 | 59.03 | 58.12 | 57.48 | 57.12 | 56.79 |
| 7 | 65.95 | 65.72 | 66.32 | 66.21 | 65.94 | 63.61 | 60.32 | 59.02 | 58.09 | 57.42 | 57.27 | 56.80 |
| 8 | 66.10 | 65.90 | 66.32 | 66.19 | 65.94 | 63.53 | 60.23 | 59.07 | 58.13 | 57.35 | 57.14 | 56.73 |
| 9 | 66.20 | 66.02 | 66.07 | 65.87 | 66.09 | 63.46 | 60.20 | 59.02 | 58.14 | 57.53 | 57.02 | 56.40 |
| 10 | 66.08 | ..... | 66.08 | 65.80 | 66.19 | 63.41 | 60.14 | 58.93 | 58.14 | 57.48 | 57.09 | 56.34 |
| 11 | 65.94 | ..... | 65.90 | 66.02 | 66.18 | 63.33 | 60.02 | 58.89 | 57.92 | 57.33 | 57.11 | 56.38 |
| 12 | 65.92 | ..... | 65.99 | 65.94 | 66.13 | 63.11 | 59.98 | 58.91 | 57.94 | 57.20 | 56.93 | 56.47 |
| 13 | 65.95 | ..... | 65.93 | 66.04 | 66.10 | 62.79 | 60.04 | 58.90 | 57.95 | 57.26 | 57.08 | 56.55 |
| 14 | 65.71 | ..... | 65.95 | 66.16 | 66.29 | 62.64 | 59.96 | 58.91 | 57.93 | 57.43 | 57.16 | 56.54 |
| 15 | 65.84 | 65.94 | 66.06 | 66.10 | 66.36 | 62.55 | 59.90 | 59.01 | 58.03 | 57.46 | 57.03 | 56.56 |

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Utah County - Utah Lake Valley--Continued

(D-5-1)14adbl.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 16 | 65.93 | 66.04 | 66.12 | 65.91 | 66.42 | 62.45 | 59.98 | 58.99 | 58.18 | 57.30 | 56.55 | 56.50 |
| 17 | 66.13 | 66.01 | 66.10 | 66.00 | 66.21 | 62.34 | 60.04 | 58.75 | 58.15 | 57.25 | 56.56 | 56.45 |
| 18 | 66.10 | 65.93 | 66.01 | 65.95 | 66.04 | 62.17 | 59.98 | 58.64 | 57.94 | 57.20 | 56.86 | 56.50 |
| 19 | 65.97 | 65.93 | 65.98 | 66.03 | 66.31 | 61.99 | 59.82 | 58.53 | 57.80 | 57.08 | 57.05 | 56.55 |
| 20 | 65.85 | 66.00 | 65.82 | 66.13 | 66.46 | 61.92 | 59.73 | 58.57 | 57.74 | 57.03 | 57.20 | 56.29 |
| 21 | 65.92 | 65.96 | 66.06 | 66.04 | 66.40 | 61.87 | 59.66 | 58.47 | 57.88 | 57.15 | 57.04 | 56.19 |
| 22 | 65.80 | 65.93 | 66.07 | 65.97 | 66.40 | 61.78 | 59.60 | 58.38 | 57.73 | 57.24 | 56.96 | 56.45 |
| 23 | 65.93 | 65.89 | 65.92 | 65.97 | 66.37 | 61.63 | 59.47 | 58.46 | 57.79 | 57.21 | 57.17 | 56.24 |
| 24 | 65.83 | 65.92 | 65.95 | 65.96 | 66.17 | 61.39 | 59.49 | 58.41 | 57.80 | 57.18 | 57.19 | 56.06 |
| 25 | 65.99 | 65.96 | 66.03 | 65.91 | 66.08 | 61.33 | 59.41 | 58.27 | 57.77 | 57.05 | 57.12 | 56.32 |
| 26 | ..... | 66.14 | 66.03 | 65.87 | 65.88 | 61.20 | 59.30 | 58.34 | 57.68 | 57.10 | 57.04 | 56.37 |
| 27 | 66.17 | 66.19 | ..... | 65.85 | 65.66 | 61.10 | 59.23 | 58.52 | 57.64 | 57.09 | 56.90 | 56.51 |
| 28 | 66.13 | 66.07 | ..... | 65.84 | 65.44 | 60.99 | 59.14 | 58.29 | 57.70 | 56.98 | 56.74 | 56.48 |
| 29 | 65.92 | ..... | 65.98 | 65.82 | 65.34 | 61.04 | 59.12 | 58.50 | 57.54 | 57.06 | 56.82 | ..... |
| 30 | 65.92 | ..... | 66.25 | 65.78 | 65.12 | 60.83 | 59.04 | 58.57 | 57.70 | 57.26 | 56.83 | 56.36 |
| 31 | 65.94 | ..... | 66.13 | ..... | 64.98 | ..... | 59.03 | 58.45 | ..... | 57.16 | ..... | 56.19 |

(D-5-1)15bcal. State claim 5061. Eugene Briggs. Water levels, in feet above measuring point, 1941: Jan. 20, 25.3; Mar. 17, 25.2; Dec. 5, a/ 32.8; Dec. 31, 33.2.

(D-5-1)17adc5. State claim 11174. H. C. Comer. Water levels, in feet above measuring point, 1941: Jan. 20, 26.6; Mar. 17, 26.7; Dec. 31, 34.0.

(D-5-1)17add5. State claim 3628. M. S. Lott. Water levels, in feet above measuring point, 1941: Jan. 20, 18.3; Mar. 17, 19.0; Dec. 31, 23.2.

(D-5-1)18bcc1. State claim 3637. Aaron Evans. Water levels, in feet above measuring point, 1941: Nov. 24, a/ 20.4.

(D-5-1)20abal. State claim 6860. Jacob Cox. Water levels, in feet above measuring point, 1941: Jan. 20, 47.0; Mar. 17, 47.25.

(D-5-1)20aba2. Jacob Cox.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | | 27.6 | 28.3 | 28.9 | 24.6 | 19.0 | .... | 16.6 | 20.1 | 28.1 | 31.8 |
| 2 | | 27.5 | 28.7 | 29.0 | 24.5 | 18.1 | .... | 16.9 | 20.1 | 27.9 | 32.0 |
| 3 | | 27.5 | 28.9 | 28.9 | 24.4 | 17.2 | .... | 17.6 | 20.6 | 28.0 | 31.9 |
| 4 | | 27.6 | 29.0 | 29.1 | 24.8 | 17.1 | .... | 18.7 | 20.6 | 28.7 | 31.3 |
| 5 | | 27.5 | 29.2 | 29.1 | 24.8 | 17.2 | .... | 18.9 | 21.3 | 28.7 | 31.5 |
| 6 | | 27.5 | 29.0 | 29.0 | 24.6 | 18.0 | .... | 18.2 | 21.9 | 28.6 | .... |
| 7 | | 27.6 | 29.2 | 29.1 | 24.4 | 18.2 | .... | 18.3 | 22.4 | 28.7 | .... |
| 8 | | 27.6 | 29.0 | 29.2 | 24.0 | 20.9 | .... | 18.6 | 22.8 | 28.8 | .... |
| 9 | | 27.5 | 29.1 | 28.9 | 22.6 | 20.9 | .... | 18.7 | 23.0 | 28.7 | .... |
| 10 | | 28.0 | 29.2 | 28.8 | 22.1 | 21.7 | .... | 18.4 | 23.3 | 28.9 | .... |
| 11 | | 28.5 | 29.5 | 29.0 | 21.5 | .... | 16.2 | 18.1 | 24.6 | 29.1 | 32.1 |
| 12 | | 28.2 | 29.3 | 28.9 | 21.0 | .... | 16.1 | 18.5 | 24.7 | 29.1 | 32.2 |
| 13 | | 27.8 | 29.2 | 28.7 | 20.5 | .... | 16.2 | 18.1 | 24.7 | 29.1 | .... |
| 14 | | 28.0 | 29.3 | 28.7 | 20.3 | .... | 15.6 | 18.2 | 24.9 | 29.2 | 32.6 |
| 15 | | 28.0 | 29.0 | 29.0 | 20.0 | .... | 15.8 | 18.3 | 24.8 | 29.1 | 32.4 |
| 16 | | 28.0 | 29.0 | 28.8 | 20.3 | .... | 15.4 | 18.5 | 24.8 | 29.2 | 32.5 |
| 17 | | 28.0 | 29.3 | 28.6 | 20.2 | .... | 15.9 | 18.5 | 25.1 | 29.7 | 32.6 |
| 18 | | 28.5 | 29.6 | 28.8 | 19.2 | .... | 16.6 | 18.5 | 25.2 | 30.0 | .... |
| 19 | | 28.4 | 29.5 | 28.9 | 20.0 | .... | 17.5 | 18.7 | 25.2 | 29.8 | 32.6 |
| 20 | | 28.4 | 29.4 | 28.7 | 19.8 | .... | 16.6 | 20.1 | 25.6 | .... | 32.8 |
| 21 | | 28.6 | 29.6 | 28.8 | 19.8 | .... | 18.7 | 19.5 | 26.0 | .... | 32.9 |
| 22 | | 28.8 | 29.5 | 29.0 | 19.6 | .... | 18.6 | 19.3 | 26.2 | .... | 32.6 |
| 23 | 27.8 | 28.6 | 29.4 | 28.8 | 17.9 | 17.9 | 18.1 | 20.0 | 26.4 | .... | .... |

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Utah County - Utah Lake Valley--Continued

(D-5-1)20aba2.--Continued.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|-------|------|------|------|
| 24 | 28.0 | 28.9 | 29.4 | 28.7 | 17.3 | 17.6 | 18.1 | 19.3 | 26.7 | .... | .... |
| 25 | 27.5 | 29.1 | 29.5 | 28.6 | 16.8 | 16.2 | 18.2 | 19.9 | 26.8 | .... | .... |
| 26 | 27.5 | 29.0 | 29.4 | 28.2 | 17.0 | 15.5 | 18.0 | 19.3 | 26.8 | .... | 33.1 |
| 27 | 27.4 | 29.0 | 29.4 | 27.8 | 18.4 | 14.7 | 17.8 | 20.1 | 27.1 | .... | .... |
| 28 | 27.6 | 29.3 | 29.4 | 26.9 | 19.2 | 14.3 | 17.2 | 20.8 | 27.7 | .... | .... |
| 29 | 27.5 | .... | 29.0 | 26.0 | 19.0 | 15.0 | 16.9 | 21.0 | 27.6 | .... | .... |
| 30 | 27.5 | .... | 28.6 | 25.2 | 19.3 | 14.7 | 16.5 | 20.7 | 27.5 | 31.4 | .... |
| 31 | 27.6 | .... | 28.7 | .... | 19.4 | .... | 16.6 | .... | 27.8 | .... | 32.3 |

(D-5-1)23dab3. State claim 17054. American Fork City. Water levels, in feet above measuring point, 1941: Jan. 22, a/ 11.0; Mar. 17, a/ 10.4; Dec. 5, a/b/ 19.3; Dec. 30, a/ 19.8.

(D-5-1)25dabl. State claim 11897. George Addy and others. Water levels, in feet above measuring point, 1941: Jan. 22, 28.8; Mar. 17, 29.3; Dec. 8, b/ 32.6; Dec. 30, 32.3.

(D-5-2)18dcd1. State claim 1704. M. L. Ellis. Water levels, in feet below measuring point, 1941: Jan. 22, 7.51; Mar. 17, 7.80; Dec. 30, c/.

(D-5-2)18dcd2. A. C. Christensen. Water levels, in feet above or below measuring point, 1941: Jan. 22, -7.40; Mar. 17, -7.71; Dec. 30, +1.95.

(D-5-2)29dba4. State claim 13150. Mark Richins. Water levels, in feet above measuring point, 1941: Jan. 22, 11.7; Mar. 17, 11.75; Dec. 10, b/ 18.1; Dec. 30, 17.8.

(D-6-2)3bdd1. State claim 1651. Pioneer Pumping Co. Water levels, in feet below measuring point, 1941: Jan. 22, 16.68; Mar. 17, 16.64; Dec. 30, 13.02.

(D-6-2)4adc. W. P. Kirk. Water levels, in feet below measuring point, 1941: Mar. 17, 41.70; Dec. 30, 32.87.

(D-6-2)6dcbl. State claim 12980. Utah Power and Light Co. Water levels, in feet above measuring point, 1941: Dec. 11, b/ 35.3; Dec. 30, 31.9.

(D-6-2)7dbcl. State claim 3028. Jay Gillis. Water levels, in feet above measuring point, 1941: Mar. 17, 23.1; Dec. 11, b/ 26.2; Dec. 30, 25.4.

(D-6-2)9bdcl. No measurements in 1941. Measurements discontinued.

(D-6-2)9dda. No measurements in 1941. Measurements discontinued.

(D-6-2)10add1. State claim 3123. Orem City. Water levels, in feet below measuring point, 1941: Jan. 22, 43.92; Dec. 31, 42.58.

(D-6-2)16adc. No measurements in 1941. Measurements discontinued.

(D-6-2)16bc. G. F. Wells. Water levels, in feet below measuring point, 1941: Mar. 18, 16.48; Dec. 30, 13.50.

(D-6-2)16bcb1. State claim 11852. Alpine School District. Water levels, in feet above or below measuring point, 1941: Mar. 18, -2.17; Dec. 30, a/ 0.89.

(D-6-2)17aba2. State claim 9004. J. J. Madsen, Jr. Water levels, in feet above or below measuring point, 1941: Mar. 17, -0.78; Dec. 12, a/b/ +2.0; Dec. 30, a/ +2.15.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

c Flowing.

Utah County - Utah Lake Valley--Continued

(D-6-2)17ddd1. State claim 4814. Lawrence Kirk. Water levels, in feet above measuring point, 1941: Dec. 15,a/ 4.7.

(D-6-2)18add2. State application 11747. J. L. Larson. Water levels, in feet above measuring point, 1941: Mar. 18, 16.0; Dec. 12,a/ 19.4; Dec. 30, 17.8.

(D-6-2)23bab. Elias Nielson. Water levels, in feet below measuring point, 1941: Mar. 18, 40.14; Dec. 31, 37.76.

(D-6-2)24dac. Isaac Boyce. Water levels, in feet below measuring point, 1941: Jan. 22, 129.28; Mar. 18, 128.53; Dec. 31, 124.44.

(D-6-2)25bbb. No measurements in 1941. Measurements discontinued.

(D-6-2)28bad1. State claim 2087. Henry Williamson. Water levels, in feet above measuring point, 1941: Mar. 18, 10.6; Dec. 30, 12.9.

(D-6-2)34bcal. State claim 17464. Fred Startin. Water level, in feet above measuring point, 1941: Dec. 16,a/ 3.4.

(D-7-2)4cbcl. No measurements in 1941. Measurements discontinued.

(D-7-2)4cbdl. State application 11794. Reed Knudsen. Water level, in feet above measuring point, 1941: Dec. 30, 27.6.

(D-7-2)12bcb1. State claim 105. Provo City Corporation.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | .... | 22.9 | 23.5 | 23.7 | 23.8 | 22.8 | 23.4 | 24.8 | 23.0 | 24.9 | 26.4 | 26.8 |
| 2 | .... | 23.7 | 23.7 | 23.9 | 23.8 | 22.8 | 24.5 | 24.3 | 21.9 | 25.0 | 26.6 | 26.4 |
| 3 | .... | 23.0 | 23.7 | 24.0 | 23.8 | 23.2 | 24.1 | 23.9 | 22.2 | 25.4 | 26.7 | 26.1 |
| 4 | .... | 23.0 | 23.6 | 23.9 | 24.0 | 23.5 | 24.2 | 23.7 | 23.0 | 25.8 | 26.7 | 25.8 |
| 5 | 22.7 | 23.1 | 23.6 | 23.8 | 23.9 | 24.1 | 23.1 | 23.8 | 23.5 | 25.8 | 26.7 | 26.0 |
| 6 | 22.7 | 23.2 | 23.7 | 23.7 | 23.5 | 23.5 | 23.5 | 23.5 | 23.9 | 25.8 | 26.7 | 26.4 |
| 7 | 22.6 | 23.1 | 23.7 | 23.9 | 23.5 | 24.4 | 23.2 | 22.9 | 23.4 | 25.9 | 26.3 | 26.8 |
| 8 | 22.7 | 23.0 | 23.7 | 24.0 | 23.1 | 25.0 | 22.1 | 23.8 | 24.4 | 25.8 | 26.3 | 26.3 |
| 9 | 22.8 | 23.0 | 23.7 | 24.1 | 22.4 | 25.2 | 20.7 | .... | 23.9 | 25.7 | 26.6 | 26.3 |
| 10 | 22.9 | 23.2 | 24.0 | 24.1 | 22.2 | 25.5 | 23.4 | 24.6 | 23.8 | 25.7 | 26.7 | 26.3 |
| 11 | 22.9 | 23.1 | 23.7 | 24.0 | 21.9 | 25.6 | 22.9 | 24.8 | 24.1 | 25.9 | 26.4 | 26.3 |
| 12 | 22.9 | 23.2 | 23.5 | 24.0 | 22.1 | 25.8 | 23.2 | 24.6 | 24.2 | 26.1 | 26.3 | 26.3 |
| 13 | 23.0 | 23.2 | 23.7 | 24.1 | 21.9 | 25.9 | 22.3 | 24.0 | 24.3 | 26.0 | 26.5 | 26.3 |
| 14 | 23.0 | 23.1 | 23.8 | 24.0 | 20.9 | 25.6 | 22.7 | 24.7 | 24.6 | 25.9 | 26.9 | 26.3 |
| 15 | 22.9 | 23.0 | 23.8 | 24.2 | 20.9 | 25.4 | 23.1 | 23.9 | 24.7 | 25.9 | 27.2 | 26.4 |
| 16 | 22.9 | 23.4 | 23.9 | 24.1 | 20.9 | 24.5 | 22.0 | 24.0 | 24.6 | 26.2 | 27.3 | 26.3 |
| 17 | 22.8 | 23.1 | 23.8 | 24.1 | 20.4 | 24.5 | 22.9 | 24.2 | 24.3 | 26.3 | 26.9 | 26.5 |
| 18 | 22.9 | 23.2 | 23.8 | 23.8 | 20.6 | 24.0 | 23.1 | 24.2 | 24.4 | 26.6 | 26.5 | 26.6 |
| 19 | 22.8 | 23.3 | 23.7 | 23.4 | 20.5 | 23.5 | 23.8 | 23.9 | 24.7 | 26.6 | 26.4 | 26.7 |
| 20 | 23.1 | 23.3 | 23.7 | 23.3 | 21.0 | 23.1 | 24.8 | 23.0 | 24.5 | 26.6 | 26.4 | 26.7 |
| 21 | 23.0 | 23.3 | 23.7 | 23.7 | 21.2 | 22.7 | 24.3 | 22.4 | 24.3 | 26.2 | 26.5 | 26.6 |
| 22 | 23.1 | 23.4 | 23.6 | 23.8 | 22.1 | 22.0 | 24.5 | 22.5 | 24.5 | 26.1 | 26.5 | 26.3 |
| 23 | 23.0 | 23.5 | 23.5 | 23.8 | 21.4 | 22.0 | 23.9 | 22.6 | 24.7 | 26.1 | 26.4 | 26.4 |
| 24 | 23.1 | 23.6 | 23.7 | 23.6 | 21.9 | 24.0 | 24.2 | 23.2 | 24.9 | 26.3 | 26.6 | 26.7 |
| 25 | 23.1 | 23.6 | 23.5 | 23.4 | 22.0 | 24.6 | 24.4 | 23.8 | 25.1 | 26.3 | 26.5 | 26.7 |
| 26 | 23.0 | 23.5 | 23.7 | 23.3 | 23.3 | 24.0 | 25.3 | 23.7 | 25.1 | 26.5 | 26.4 | 26.8 |
| 27 | 22.8 | 23.6 | 23.8 | 23.2 | 23.9 | 24.4 | 25.6 | 23.6 | 25.0 | 26.5 | 26.3 | 26.5 |
| 28 | 22.8 | 23.6 | 23.8 | 23.4 | 24.0 | 23.0 | 25.3 | 23.2 | 24.8 | 26.4 | 26.3 | 26.3 |
| 29 | 23.1 | .... | 23.8 | 23.4 | 23.7 | 23.5 | 25.5 | 22.1 | 25.0 | 26.3 | 26.3 | 26.5 |
| 30 | 23.3 | .... | 23.7 | 23.7 | 24.0 | 24.0 | 25.2 | 22.3 | 24.0 | 26.3 | 26.4 | 26.5 |
| 31 | 23.2 | .... | 23.8 | .... | 23.7 | .... | 24.8 | 22.7 | .... | 26.3 | .... | 26.6 |

(D-7-2)34ccd. Angus Hales. Water levels, in feet above measuring point, 1941: Jan. 21,b/ 3.95; Dec. 29,b/ 4.4.

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurements.

Utah County - Utah Lake Valley--Continued

(D-7-2)36dcc2. H. H. Spatford. Water levels, in feet above measuring point, 1941: Jan. 21, a/ 12.5; Mar. 18, a/ 13.75; Dec. 11, a/b/ 12.0; Dec. 29, 13.7.

(D-7-3)6cdb1. No measurements in 1941. Measurements discontinued.

(D-7-3)28bac2. State claim 17329. C. O. Claudin. Water levels, in feet above measuring point, 1941: Dec. 11, b/ 16.9; Dec. 27, b/ 17.3.

(D-7-3)28cdb1. State claim 111. W. M. Mower. Water level, in feet above measuring point, 1941: Dec. 11, b/ 8.4.

(D-7-3)32bocl. State claim 8345. Drought Relief Administration. Water levels, in feet above measuring point, 1941: Mar. 18, 48.3; Dec. 29, 49.5; Dec. 30, b/ 50.5.

(D-7-3)33baa6. State claim 7006. A. W. Finley. Water levels, in feet above measuring point, 1941: Mar. 18, a/ 7.25; Dec. 10, a/b/ 9.6; Dec. 27, a/b/ 8.0; Dec. 29, a/ 9.2.

(D-7-3)33ccc5. State claim 17200. H. L. Vane. Water level, in feet above measuring point, 1941: Dec. 9, a/b/ 7.7.

(D-8-1)13aaal. State claim 14076. R. G. Francis. Water levels, in feet above measuring point, 1941: Mar. 18, 15.1; Nov. 27, b/ 13.6; Dec. 29, 14.1.

(D-8-1)25ccb1. State claim 11790. F. S. Hiatt. Water levels, in feet above measuring point, 1941: Jan. 21, 14.1; Mar. 18, 13.65; Nov. 15, b/ 13.6; Dec. 29, 13.6.

(D-8-2)4cba2. State claim 10844. Mary Barney. Water levels, in feet above measuring point, 1941: Mar. 18, 28.2; Dec. 29, 26.3.

(D-8-2)7ddd1. State claim 10762. A. H. Beers. Water levels, in feet above measuring point, 1941: Mar. 18, 19.2; Dec. 27, b/ 17.8; Dec. 28, 17.8.

(D-8-2)10bbd1. State claim 114. J. H. Roach. Water levels, in feet above measuring point, 1941: Jan. 21, 16.2; Dec. 1, b/ 15.5.

(D-8-2)23dbd1. State claim 13201. Utah-Idaho Sugar Co. Water levels, in feet above measuring point, 1941: Jan. 21, 17.1; Mar. 18, 16.9; Dec. 29, 20.8.

(D-8-2)29add1. State application 11860. Reed Reynolds. Water levels, in feet above measuring point, 1941: Jan. 21, 9.2; Mar. 18, 9.8; Dec. 29, 10.2.

(D-8-3)4cad1. State application 11830. Eddington Canning Co. Water levels, in feet above measuring point, 1941: Mar. 18, 18.4; Dec. 29, 20.9.

(D-8-3)15ccb. E. Whitcomb. Water level, in feet below measuring point, 1941: Dec. 29, 9.85.

(D-9-1)1lcbe. State claim 8344. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Jan. 21, 3.10; Mar. 18, 2.40; Nov. 12, b/ 2.3; Dec. 29, 2.50.

(D-9-1)2dda. Clay Ashworth. Water levels, in feet below measuring point, 1941: Jan. 21, 7.30; Mar. 18, 6.34; Dec. 29, 6.69.

(D-9-1)25add1. State claim 8524. Federal Land Bank. Water levels, in feet above measuring point, 1941: Nov. 7, b/ 4.2; Dec. 12, b/ 4.6.

a Well flowing prior to measurements.

b Measurement by Utah State Engineer in cooperation with Works Projects Administration.

Utah County - Utah Lake Valley--Continued

(D-9-2)5ddc2. State claim 1139. Payson City Corporation.

Water level at noon, in feet above measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | 14.2 | 14.0 | 14.1 | 13.5 | 12.9 | 13.0 | 14.2 | 15.2 | 15.6 | 15.4 | 15.3 | 15.0 |
| 2 | 14.2 | 14.0 | 14.1 | 13.4 | 13.0 | 13.2 | 14.3 | 15.3 | 15.6 | 15.3 | 15.3 | 15.0 |
| 3 | 14.1 | 14.0 | 14.0 | 13.3 | 13.0 | 13.2 | 14.3 | 15.2 | 15.4 | 15.3 | 15.4 | 15.0 |
| 4 | 14.6 | 14.0 | 14.0 | 13.3 | 12.9 | 13.2 | 14.4 | 15.2 | 15.3 | 15.5 | 15.1 | 14.8 |
| 5 | 14.3 | 14.0 | 14.0 | 13.4 | 13.2 | 13.2 | 14.4 | 15.1 | 15.4 | 15.3 | 14.9 | 14.7 |
| 6 | 14.2 | 14.0 | 14.0 | 13.3 | 13.0 | 13.3 | 14.4 | 15.2 | 15.5 | 15.2 | 15.0 | 14.7 |
| 7 | 14.2 | 14.0 | 14.0 | 13.2 | 12.9 | 13.2 | 14.5 | 15.1 | 15.5 | 15.3 | 15.0 | 14.8 |
| 8 | 14.1 | 14.0 | 14.0 | 13.1 | 12.8 | 13.3 | 14.4 | 15.1 | 15.4 | 15.3 | 15.0 | 15.0 |
| 9 | 14.0 | 14.0 | 14.0 | 13.2 | 12.8 | 13.3 | 14.5 | 15.1 | 15.5 | 15.3 | 15.1 | 15.0 |
| 10 | 14.1 | 14.0 | 14.0 | 13.2 | 12.9 | 13.2 | 14.5 | 15.2 | 15.8 | 15.5 | 15.2 | 14.9 |
| 11 | 14.2 | 14.1 | 14.0 | 13.1 | 13.1 | 13.3 | 14.6 | 15.2 | 15.6 | 15.5 | 15.0 | 14.8 |
| 12 | 14.2 | 14.0 | 14.0 | 13.1 | 13.5 | 13.4 | 14.6 | 15.2 | 15.3 | 15.5 | 15.0 | 14.8 |
| 13 | 14.2 | 14.0 | 14.0 | 13.0 | 13.3 | 13.9 | 14.6 | 15.2 | 15.5 | 15.5 | 15.0 | 14.8 |
| 14 | 14.2 | 14.0 | 14.0 | 13.1 | 13.3 | 13.7 | 14.7 | 15.2 | ... | 15.4 | 15.0 | 14.7 |
| 15 | 14.2 | 14.0 | 14.0 | 13.0 | 13.1 | 13.8 | 14.7 | 15.3 | 15.6 | 15.4 | 15.0 | 14.8 |
| 16 | 14.1 | 14.0 | 14.0 | 13.1 | 12.7 | 13.8 | 14.6 | 15.3 | 15.5 | 15.6 | 15.2 | 14.8 |
| 17 | 14.2 | 14.0 | 13.9 | 13.0 | 12.8 | 13.9 | 14.7 | 15.3 | 15.4 | 15.7 | 15.3 | 14.7 |
| 18 | 14.1 | 14.0 | 13.9 | 13.0 | 12.7 | 14.0 | 14.7 | 15.3 | 15.4 | 15.6 | 15.0 | 14.7 |
| 19 | 14.2 | 14.0 | 13.8 | 13.0 | 12.6 | 14.0 | 14.7 | 15.3 | 15.5 | 15.6 | 15.2 | 14.6 |
| 20 | 14.2 | 14.0 | 13.8 | 12.9 | 12.4 | 14.0 | 14.6 | 15.3 | 15.4 | 15.7 | 14.9 | 14.6 |
| 21 | 14.1 | 14.0 | 13.7 | 13.1 | 12.6 | 14.1 | 14.8 | 15.3 | 15.3 | 15.5 | 15.0 | 14.7 |
| 22 | 14.1 | 14.0 | 13.5 | 13.0 | 12.7 | 14.0 | 14.8 | 15.3 | 15.5 | 15.3 | 15.0 | 14.8 |
| 23 | 14.0 | 14.0 | 13.5 | 13.0 | 12.7 | 14.2 | 14.9 | 15.4 | 15.3 | 15.6 | 15.0 | 14.7 |
| 24 | 14.1 | 14.0 | 13.6 | 12.9 | 12.6 | 14.2 | 14.9 | 15.5 | 15.1 | 15.6 | 15.0 | 14.8 |
| 25 | 14.1 | 14.0 | 13.5 | 13.0 | 12.8 | 14.1 | 14.9 | 15.6 | 15.3 | 15.3 | 15.0 | 14.6 |
| 26 | 14.0 | 14.0 | 13.4 | 13.0 | 12.9 | 14.2 | 14.9 | 15.5 | 15.4 | 15.2 | 15.0 | 14.6 |
| 27 | 14.0 | 14.0 | 13.4 | 12.9 | 12.9 | 14.3 | 14.9 | 15.6 | 15.4 | 15.5 | 15.0 | 14.5 |
| 28 | 14.0 | 14.0 | 13.5 | 13.0 | 12.9 | 14.3 | 14.9 | 15.6 | 15.3 | 15.4 | 15.0 | 14.5 |
| 29 | 14.0 | .... | 13.5 | 12.9 | 12.9 | 14.2 | 14.9 | 15.6 | 15.5 | 15.3 | 14.9 | 14.6 |
| 30 | 14.0 | .... | 13.4 | 13.0 | 13.1 | 14.3 | 14.9 | 15.6 | 15.5 | 15.2 | 15.0 | 14.2 |
| 31 | 14.0 | .... | 13.5 | .... | 13.1 | .... | 15.1 | 15.5 | 15.6 | 15.4 | .... | 14.3 |

(D-9-2)11aaal. State claim 3364. Salt Lake and Utah Railroad. Water levels, in feet above measuring point, 1941: Jan. 21, 29.3; Nov. 14, a/ 29.8; Dec. 29, b/ 31.1.

(D-9-2)18bcdl. State claim 8357. Drought Relief Administration. Measuring point since Jan. 21, 1941, is top of casing, 0.2 foot below bottom of hole in pump base and level with land surface. Water levels, in feet below measuring point, 1941: Jan. 21, 7.85; Mar. 18, 6.74; Dec. 29, 6.68.

Wasatch County

(D-2-5)20cc. Lee Brothers.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|----------------|-------------|
| Dec. 16, 1940 | c 29.65 | May 16, 1941 | c 28.75 | Sept. 16, 1941 | c 29.66 |
| Jan. 12, 1941 | c 27.70 | June 14 | c 28.1 | 18 | c 29.53 |
| Mar. 14 | 27.41 | July 16 | c 29.00 | 27 | 27.70 |
| 17 | c 27.8 | Aug. 16 | c 29.46 | Oct. 13 | c 28.92 |
| Apr. 16 | c 27.6 | Sept. 3 | c 29.2 | Nov. 24 | 26.97 |

a Measurement by Utah State Engineer in cooperation with Works Projects Administration.

b Well flowing prior to measurements.

c Measurement by Provo River Water Commissioner.

Wasatch County--Continued

(D-2-5)3laad1. State claim 13770. W. H. Davis.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|----------------|-------------|
| Dec. 16, 1940 | a 14.74 | May 16, 1941 | a 4.45 | Sept. 16, 1941 | a 11.36 |
| Jan. 12, 1941 | a 13.10 | June 14 | a 3.26 | 18 | a 11.11 |
| Mar. 14 | 13.31 | July 14 | a 7.52 | 27 | 6.15 |
| 17 | a 13.4 | Aug. 16 | a 6.57 | Oct. 13 | a 13.70 |
| Apr. 16 | a 16.1 | Sept. 3 | a 11.00 | Nov. 24 | 15.23 |

(D-2-5)3lada. State claim 11234. Harry Morris. Measuring point since Mar. 14, 1941, is top of new platform, N. side, 0.7 foot above surface.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|----------------|-------------|
| Dec. 16, 1940 | a 9.78 | May 16, 1941 | a 3.1 | Sept. 16, 1941 | a 8.00 |
| Jan. 12, 1941 | a 8.70 | June 16 | a 3.96 | 18 | a 8.24 |
| Mar. 14 | 9.83 | July 16 | a 5.9 | 27 | 4.45 |
| 17 | a 10.04 | Aug. 16 | a 7.06 | Oct. 13 | a 9.58 |
| Apr. 17 | a 13.00 | Sept. 3 | a 8.84 | Nov. 24 | 11.75 |

(D-3-4)35bbcl. State claims 8379 and 11260. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 14, 2.94; Sept. 27, 2.42; Nov. 24, 4.77.

(D-3-5)29cac. Miles Clyde. Water levels, in feet below measuring point, 1941: Mar. 14, 10.83; Sept. 27, 5.77; Nov. 24, 8.90.

(D-4-4)12aaa. Hartley Carlisle.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 57.19 | 59.93 | 61.37 | ..... | 58.94 | 37.87 | 26.21 | 25.15 | 28.75 | 36.35 | 37.28 | 44.28 |
| 2 | 57.31 | 59.98 | 61.40 | ..... | 58.30 | 36.50 | 25.88 | 24.90 | 29.28 | 36.56 | 37.71 | 44.41 |
| 3 | 57.51 | 60.02 | 61.43 | ..... | 57.24 | 36.48 | 25.81 | 24.70 | 29.85 | 36.74 | 38.17 | 44.53 |
| 4 | 57.59 | 60.08 | 61.44 | ..... | ..... | 37.30 | 25.76 | 25.11 | 30.36 | 36.76 | 38.54 | 44.67 |
| 5 | 57.65 | 60.14 | 61.42 | ..... | 56.21 | 37.75 | 25.79 | 25.48 | 30.78 | 36.92 | 38.90 | 44.79 |
| 6 | 57.70 | 60.20 | 61.40 | ..... | 55.58 | 37.22 | 26.05 | 25.62 | 31.00 | 37.01 | 39.22 | 44.91 |
| 7 | 57.77 | 60.25 | 61.38 | ..... | 55.01 | 36.99 | 26.33 | 25.58 | 31.03 | 37.06 | 39.55 | 45.06 |
| 8 | 57.85 | 60.35 | 61.39 | ..... | 55.08 | 35.57 | 26.13 | 25.33 | 31.22 | 37.23 | 39.79 | 45.21 |
| 9 | 57.92 | 60.40 | 61.38 | ..... | 54.92 | 34.12 | 25.69 | 25.25 | 31.51 | 37.43 | 40.03 | 45.34 |
| 10 | 58.01 | 60.47 | 61.39 | ..... | 54.45 | 32.88 | 26.07 | 25.13 | 30.87 | 37.60 | 40.28 | 45.48 |
| 11 | 58.10 | 60.58 | 61.39 | 59.95 | 54.58 | 31.70 | 26.35 | 23.80 | 31.09 | 37.79 | 40.52 | 45.63 |
| 12 | 58.20 | 60.62 | 61.39 | 59.74 | ..... | 31.32 | 26.14 | 24.71 | 31.58 | 37.98 | 40.75 | 45.78 |
| 13 | 58.30 | 60.63 | 61.40 | 59.57 | ..... | 30.49 | 26.43 | 25.22 | 31.89 | 38.17 | 41.02 | 45.93 |
| 14 | 58.39 | 60.69 | 61.41 | 59.31 | 52.92 | 29.78 | 26.52 | 25.62 | 32.58 | 38.27 | 41.20 | 46.04 |
| 15 | 58.49 | 60.76 | 61.45 | ..... | 52.30 | 28.81 | 26.28 | 25.93 | 32.75 | 38.38 | 41.41 | 46.18 |
| 16 | 58.59 | ..... | 61.48 | ..... | 52.11 | 27.76 | 25.87 | 25.76 | 32.96 | 38.27 | 41.61 | 46.30 |
| 17 | 58.69 | ..... | 61.53 | ..... | 52.00 | 27.54 | 26.23 | 25.21 | 33.14 | 38.05 | 41.75 | 46.43 |
| 18 | 58.82 | ..... | 61.57 | 58.72 | 52.12 | 27.46 | 26.38 | 24.91 | 33.36 | 37.52 | 41.95 | 46.55 |
| 19 | 58.90 | ..... | 61.63 | 58.93 | 51.95 | 27.06 | 26.25 | 25.80 | 33.57 | 37.00 | 42.15 | 46.68 |
| 20 | 58.99 | ..... | ..... | 59.27 | 50.52 | 26.23 | 25.66 | 26.22 | 33.72 | 36.90 | 42.38 | 46.79 |
| 21 | 59.09 | 61.04 | 61.69 | 59.66 | 49.23 | 26.31 | 24.55 | 26.36 | 33.98 | 37.20 | 42.58 | 46.90 |
| 22 | 59.17 | 61.10 | 61.76 | ..... | 48.27 | 26.22 | 23.80 | 26.64 | 34.27 | 36.89 | ..... | 47.04 |
| 23 | 59.26 | 61.13 | 61.81 | ..... | 47.70 | 26.30 | 23.80 | 27.04 | 34.60 | 36.17 | ..... | 47.16 |
| 24 | 59.34 | 61.17 | 61.88 | ..... | 47.16 | 26.26 | 23.63 | 27.47 | 34.86 | 36.03 | ..... | 47.26 |
| 25 | 59.42 | 61.20 | 61.93 | 60.82 | 46.38 | 26.36 | 24.31 | 27.94 | 35.06 | 35.96 | ..... | 47.40 |
| 26 | 59.50 | 61.24 | ..... | 60.90 | 45.71 | 26.41 | 24.89 | 28.32 | 35.27 | 36.20 | ..... | 47.52 |
| 27 | 59.58 | 61.29 | ..... | 60.78 | 45.05 | 26.49 | 25.27 | 28.53 | 35.42 | 36.38 | ..... | 47.66 |
| 28 | 59.67 | 61.33 | 62.15 | 60.66 | 44.23 | 26.29 | 25.46 | 28.66 | 35.58 | 36.37 | 43.84 | 47.78 |
| 29 | 59.75 | ..... | 62.23 | 60.00 | 43.08 | 26.44 | 25.46 | 28.93 | 35.81 | 36.26 | 44.00 | 47.91 |
| 30 | 59.83 | ..... | 62.28 | 59.50 | 42.21 | 26.34 | 25.49 | 29.26 | 36.10 | 36.26 | 44.15 | 48.04 |
| 31 | 59.90 | ..... | 62.32 | ..... | 40.07 | ..... | 25.49 | 29.07 | ..... | 36.78 | ..... | 48.16 |

a Measurement by Provo River Water Commissioner.

Wasatch County--Continued

(D-4-4)14abb. Charlotte Brown.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| 1 | 19.16 | 19.76 | 19.07 | 19.08 | 18.36 | 9.56 | .... | 10.20 | 13.15 | ..... | 15.79 | 16.97 |
| 2 | 19.18 | 19.75 | 19.11 | 19.05 | 18.38 | 8.79 | .... | 10.74 | 13.40 | ..... | 15.81 | 16.99 |
| 3 | 19.22 | 19.77 | 19.11 | 19.05 | 18.38 | 9.20 | 4.96 | 10.98 | 13.48 | 13.30 | 15.78 | 17.03 |
| 4 | 19.24 | 19.76 | 19.06 | 19.12 | 18.42 | 9.46 | 5.35 | 11.14 | 13.67 | 13.78 | 15.87 | 17.02 |
| 5 | 19.26 | 19.77 | 19.02 | 19.00 | 18.38 | 9.13 | 5.68 | 11.33 | 13.60 | 14.24 | 15.92 | 16.97 |
| 6 | 19.27 | 19.77 | 19.00 | 18.77 | 18.09 | 8.31 | 5.90 | 11.51 | 13.60 | 14.41 | 15.97 | 16.89 |
| 7 | 19.28 | 19.78 | 19.00 | 18.66 | 17.84 | 7.65 | 5.83 | 11.33 | 13.73 | 14.56 | 15.98 | 16.84 |
| 8 | 19.30 | 19.79 | 19.02 | 18.83 | 16.94 | 7.33 | 5.25 | 11.12 | 13.70 | 14.68 | 16.03 | 16.85 |
| 9 | 19.32 | 19.80 | 19.06 | 18.96 | 16.10 | 6.93 | 5.70 | 10.87 | 13.58 | 14.90 | 16.07 | 16.91 |
| 10 | 19.34 | 19.82 | 19.11 | 19.08 | 14.93 | 7.06 | 5.64 | 11.28 | 13.88 | 15.13 | 16.11 | 16.97 |
| 11 | 19.41 | 19.83 | 19.14 | 19.10 | 15.07 | 7.17 | 6.32 | 11.66 | 14.18 | 15.24 | 16.15 | 17.02 |
| 12 | 19.41 | 19.78 | 19.17 | 19.20 | 15.30 | 7.21 | 7.02 | 11.99 | 14.55 | 15.34 | 16.19 | 17.06 |
| 13 | 19.44 | 19.73 | 19.20 | 19.23 | 15.54 | 7.32 | 7.66 | 12.15 | 14.57 | 15.42 | 16.24 | 17.09 |
| 14 | 19.47 | 19.73 | 19.21 | 19.31 | 15.75 | 7.45 | 8.95 | 12.36 | 14.77 | 15.46 | 16.28 | 17.12 |
| 15 | 19.50 | 19.72 | 19.22 | 19.39 | 15.86 | 7.34 | 9.34 | 12.53 | 14.80 | 15.48 | 16.30 | 17.18 |
| 16 | 19.53 | 19.72 | 19.23 | 19.46 | 15.61 | 6.65 | 8.76 | 12.58 | 14.70 | 15.48 | 16.33 | 17.23 |
| 17 | 19.55 | 19.65 | 19.27 | 19.54 | 15.14 | 6.12 | 9.04 | 12.12 | 14.56 | 15.46 | 16.36 | 17.26 |
| 18 | 19.58 | 19.54 | 19.19 | 19.48 | 14.26 | 4.73 | 8.47 | 11.77 | 14.55 | 15.40 | 16.33 | 17.28 |
| 19 | 19.60 | 19.42 | 19.07 | 19.26 | 13.37 | 4.96 | 8.77 | 11.74 | 14.42 | 15.37 | 16.28 | 17.32 |
| 20 | 19.62 | 19.32 | 19.04 | 19.08 | 12.79 | 4.38 | 8.31 | 11.88 | 14.53 | 15.36 | 16.33 | 17.35 |
| 21 | 19.64 | 19.23 | 19.13 | 18.98 | 12.62 | 4.39 | 8.46 | 12.07 | 14.78 | 15.37 | 16.39 | 17.39 |
| 22 | 19.66 | 19.18 | 19.13 | 18.94 | 13.02 | 4.69 | 9.09 | 12.33 | 14.98 | 15.37 | .... | 17.45 |
| 23 | 19.67 | 19.12 | 19.10 | 18.93 | 12.97 | 4.94 | 9.67 | 12.42 | 15.13 | 15.27 | .... | 17.51 |
| 24 | 19.68 | 19.06 | 19.08 | 18.94 | 13.07 | 4.92 | 10.06 | 12.57 | 15.18 | 15.28 | .... | 17.54 |
| 25 | 19.70 | 18.95 | 19.00 | 19.02 | 13.02 | 4.31 | 10.40 | 12.74 | 15.18 | 15.33 | 16.67 | 17.57 |
| 26 | 19.71 | 18.89 | 18.98 | 19.11 | 13.08 | 4.73 | 10.73 | 12.90 | 14.85 | 15.43 | 16.71 | 17.61 |
| 27 | 19.72 | 18.91 | 18.98 | 19.20 | 12.74 | 4.64 | 10.94 | 12.98 | 14.70 | 15.52 | 16.78 | 17.61 |
| 28 | 19.73 | 18.99 | 19.00 | 19.26 | 12.01 | .... | 10.27 | 12.84 | 14.82 | 15.57 | 16.82 | 17.61 |
| 29 | 19.74 | .... | 18.98 | 18.71 | 10.85 | .... | 10.18 | 12.20 | .... | 15.67 | 16.86 | 17.65 |
| 30 | 19.75 | .... | 19.00 | 18.44 | 9.45 | .... | 10.02 | 12.35 | .... | 15.69 | 16.91 | .... |
| 31 | 19.75 | .... | 19.05 | .... | 9.63 | .... | 9.37 | 12.79 | .... | 15.76 | .... | .... |

(D-4-4)14cccl. State claim 8380. Town of Charleston.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| 1 | 14.62 | 15.27 | 14.88 | 14.90 | 15.13 | 10.15 | 8.49 | 9.34 | 9.99 | 11.00 | 10.79 | 12.11 |
| 2 | 14.64 | 15.30 | 14.83 | 14.92 | 15.06 | 10.07 | 8.53 | 9.41 | 10.05 | 11.00 | 10.77 | 12.12 |
| 3 | 14.67 | 15.31 | 14.84 | 14.98 | 14.97 | 9.95 | 8.50 | 9.48 | 10.14 | 11.09 | 10.81 | 12.10 |
| 4 | 14.66 | 15.31 | 14.77 | 14.98 | 14.87 | 9.80 | 8.61 | 9.52 | 10.19 | 11.00 | 10.83 | 12.20 |
| 5 | 14.69 | 15.30 | 14.74 | 14.90 | 14.75 | 9.69 | 8.72 | 9.56 | 10.22 | 10.97 | 10.86 | 12.30 |
| 6 | 14.77 | 15.31 | 14.75 | 14.98 | 14.67 | 9.61 | 8.80 | 9.61 | 10.21 | 11.02 | 10.86 | .... |
| 7 | 14.80 | 15.33 | 14.75 | 14.99 | 14.56 | 9.41 | 8.88 | 9.64 | 10.28 | 10.98 | 10.93 | .... |
| 8 | 14.86 | 15.37 | 14.71 | 15.00 | 14.48 | 9.28 | 8.96 | 9.65 | 10.34 | 10.96 | 10.92 | .... |
| 9 | 14.90 | 15.36 | 14.69 | 14.96 | 14.39 | 9.09 | 8.97 | 9.66 | 10.40 | 10.97 | 10.93 | .... |
| 10 | 14.90 | 15.36 | 14.66 | 14.97 | 14.20 | 9.22 | 9.04 | 9.69 | 10.44 | 10.91 | 10.99 | .... |
| 11 | 14.89 | 15.29 | 14.65 | 15.06 | 13.94 | 9.08 | 9.11 | 9.72 | 10.47 | 10.87 | 11.00 | .... |
| 12 | 14.91 | 15.30 | 14.69 | 15.06 | 13.67 | 8.91 | 9.10 | 9.71 | 10.54 | 10.85 | 10.99 | 12.61 |
| 13 | 14.96 | 15.33 | 14.66 | 15.10 | 13.42 | 8.70 | 9.17 | 9.65 | 10.61 | 10.88 | 11.07 | 12.64 |
| 14 | 14.91 | 15.25 | 14.71 | 15.14 | 13.22 | 8.54 | 9.27 | 9.65 | 10.69 | 10.90 | 11.00 | 12.67 |
| 15 | 14.98 | 15.21 | 14.76 | 15.14 | 13.05 | 8.43 | 9.30 | 9.70 | 10.76 | 10.90 | 11.12 | 12.72 |
| 16 | 15.01 | 15.23 | 14.80 | 15.10 | 12.90 | 8.24 | 9.38 | 9.71 | 10.81 | 10.87 | 11.09 | 12.72 |
| 17 | 15.06 | 15.18 | 14.80 | 15.14 | 12.70 | 8.04 | 9.45 | 9.72 | 10.82 | 10.89 | 11.06 | 12.77 |
| 18 | 15.06 | 15.17 | 14.78 | 15.14 | 12.42 | 7.91 | 9.52 | 9.76 | 10.83 | 10.88 | 11.18 | 12.82 |
| 19 | 15.04 | 15.17 | 14.76 | 15.18 | 12.28 | 7.77 | 9.57 | 9.79 | 10.95 | 10.85 | 11.24 | 12.86 |
| 20 | 15.03 | 15.16 | 14.76 | 15.19 | 12.11 | 7.63 | 8.72 | 9.80 | 10.99 | 10.84 | 11.34 | 12.84 |
| 21 | 15.08 | 15.12 | 14.82 | 15.18 | 11.90 | 7.57 | 8.78 | 9.83 | 11.03 | 10.82 | 11.35 | 12.85 |
| 22 | 15.04 | 15.08 | 14.81 | 15.20 | 11.80 | 7.54 | 8.84 | b9.50 | 11.02 | 10.80 | 11.43 | 12.96 |
| 23 | 15.11 | 15.05 | 14.79 | 15.22 | 11.72 | a8.40 | 8.88 | 9.51 | 11.08 | 10.79 | 11.55 | 12.91 |

a Valve opened to permit small flow.

b Valve closed.

Wasatch County--Continued

(D-4-4)14cccl.--Continued

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| 24 | 15.07 | 15.00 | 14.82 | 15.23 | 11.57 | 8.41 | 8.96 | 9.54 | 11.02 | 10.74 | 11.63 | 12.94 |
| 25 | 15.14 | 14.99 | 14.84 | 15.23 | 11.43 | 8.46 | 9.02 | 9.57 | 11.05 | 10.68 | 11.67 | 13.04 |
| 26 | 15.15 | 15.00 | 14.85 | 15.21 | 11.23 | 8.45 | 9.08 | 9.63 | 10.89 | 10.71 | 11.75 | 13.06 |
| 27 | 15.21 | 14.99 | 14.86 | 15.18 | 11.05 | 8.45 | 9.14 | 9.67 | 10.92 | 10.71 | 11.81 | 13.14 |
| 28 | 15.15 | 14.93 | 14.88 | 15.16 | 10.84 | 8.49 | 9.20 | 9.73 | 10.99 | 10.69 | 11.88 | 13.14 |
| 29 | 15.18 | ..... | 14.84 | 15.17 | 10.67 | 8.46 | 9.25 | 9.78 | 10.98 | 10.73 | 11.97 | 13.13 |
| 30 | 15.21 | ..... | 14.92 | 15.16 | 10.44 | 8.43 | 9.28 | 9.86 | 10.97 | 10.73 | 12.04 | 13.14 |
| 31 | 15.25 | ..... | 14.88 | ..... | 10.24 | .... | 9.29 | 9.94 | ..... | 10.78 | ..... | 13.11 |

Washington County - Escalante Valley^{10/}

(C-37-17)11adcl. E. A. Flickering. Irrigation and domestic well, diameter 48 inches, depth 41 feet. Measuring point, top of cement curb, 0.4 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 20, 29.92; Dec. 2, 31.84.

(C-37-17)11dcal. E. W. Simkins. Stock well, diameter 48 inches, depth 27 feet. Measuring point, top of well cover, level with land surface. Water level, in feet below measuring point, 1941: Sept. 20, 26.81.

(C-37-17)11dca2. E. W. Simkins. Domestic well, diameter 48 inches, depth 38 feet. Measuring point, top of railroad tie forming frame of well, level with land surface. Water level, in feet below measuring point, 1941: Sept. 20, 29.98.

(C-37-17)12cbcl. Charles Sides. Irrigation well, diameter 14 inches. Measuring point, top of casing, 1.0 foot above land surface. Water levels, in feet below measuring point, 1941: Sept. 19, 28.76; Dec. 2, 29.90.

(C-37-17)12cdcl. Louis Elliker. Unused stock and domestic well, diameter 8 inches, depth 64 feet. Measuring point, top of casing, 1.5 feet above land surface. Water level, in feet below measuring point, 1941: Sept. 19, 43.62.

(C-37-17)12cddl. (C-37-12)12cddl in Water-Supply Paper 910. State claim 8384. Drought Relief Administration. Water levels, in feet below measuring point, 1941: May 3, 39.55; Sept. 19, 39.42; Dec. 2, 40.46.

(C-37-17)14adcl. J. C. Bosshardt. Irrigation well, diameter 60 inches, depth 54 feet. Measuring point, bottom of well cover, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 20, 37.07; Dec. 2, 38.18.

(C-37-17)15babl. Everest Hackett. Irrigation well, diameter 48 inches, depth 23 feet. Measuring point, top of well cover, level with land surface. Water levels, in feet below measuring point, 1941: Sept. 29, 9.44; Dec. 2, 10.22.

(C-37-17)15bbal. Federal Land Bank of Berkeley, Calif. Stock well, diameter 36 inches, depth 7.0 feet. Measuring point, bottom of frame of well, 0.1 foot above land surface. Water level, in feet below measuring point, 1941: Sept. 29, 6.63.

(C-37-17)16abbl. Mr. Pulsifer. Irrigation well, diameter 12 inches, depth 13 feet. Measuring point, top of casing, 9.2 feet below land surface. Water levels, in feet below measuring point, 1941: Sept. 29, 2.06; Dec. 2, 2.71.

(C-37-17)16cbb. State application 14146. J. W. Holt. Unused irrigation well, diameter 12 inches, depth 121 feet. Measuring point, top of casing, 0.7 foot above land surface. Water levels, in feet below measuring point, 1941: Aug. 2, 15.90; Dec. 2, 15.67.

^{10/}For other wells in this valley see pages 37-49 and 61-70.

Washington County - Virgin River Valley

(C-42-10)33bb. Oscar De Mill. Water levels, in feet below measuring point, 1941: Mar. 22, 118.29; Oct. 8, 118.51; Dec. 3, 118.55.

(C-42-11)3ac. Drought Relief Administration. Water levels, in feet below measuring point, 1941: Mar. 22, 18.40; Oct. 8, 18.26; Dec. 3, 18.17.

Wayne County

(D-27-2)25bd. State claim 7164. S. E. Tanner. Water level, in feet above measuring point, 1941: Dec. 4, a/ 9.9.

(D-28-4)36cdbl. V. A. Lee. Water levels, in feet below measuring point, 1941: Mar. 20, 11.14; Dec. 4, 11.99.

(D-29-4)15cbdl. (D-29-4)15ca in Water-Supply Paper 910. W. P. Coleman. Water levels, in feet below measuring point, 1941: Mar. 20, 12.29; Dec. 4, 1.83.

Weber County - East Shore Area

(B-5-2)4cddl. State application 11889. Samuel Peterson. Water levels, in feet above measuring point, 1941: Mar. 11, a/ 33.4; Dec. 12, a/ 34.5.

(B-5-2)14cdcl. State claim 5538. Lorenzo Stoker. Water levels, in feet below measuring point, 1941: Mar. 11, 2.35; Dec. 12, 2.37.

(B-5-2)16cdd2. No measurements in 1941. Measurements discontinued.

(B-5-3)12addl. State application 11945. F. V. Simpson. Water levels, in feet above measuring point, 1941: Mar. 11, a/ 20.85; Dec. 12, a/ 19.9.

(B-5-3)13ddcl. State claim 1289. J. D. Hooper. Water levels, in feet above measuring point, 1941: Mar. 11, 35.4; Dec. 12, 35.2.

(B-5-3)15ddal. State application 11790. T. W. Read. Water levels, in feet above measuring point, 1941: Mar. 11, a/ 45.05; Dec. 12, a/ 44.3.

(B-6-1)6dbal. State claim 589. Ogden Pressed Brick and Tile Co. Water levels, in feet above measuring point, 1941: Mar. 11, 51.55; Dec. 11, 55.5.

(B-6-1)8acbl. L. W. Winkler and Carl Nielson. Water levels, in feet below measuring point, 1941: Mar. 11, 5.49; Oct. 30, 4.59; Dec. 11, 4.45.

(B-6-1)8bdd16. State claim 5438. J. T. Bybee. Water levels, in feet above measuring point, 1941: Mar. 11, 6.75; Dec. 11, 7.6.

(B-6-1)2labl. State claim 684. Western Irrigation Co. Water levels, in feet below measuring point, 1941: Mar. 11, 31.24; Oct. 30, 30.39; Dec. 12, 30.21.

(B-6-1)2ladl. State claim 8389. Drought Relief Administration.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 44.30 | 44.23 | ..... | 43.95 | 43.81 | 43.23 | 43.13 | 43.16 | ..... | 43.26 | 43.08 | 43.16 |
| 2 | 44.33 | 44.25 | ..... | 43.99 | 43.79 | 43.23 | 43.12 | 43.18 | ..... | 43.23 | 43.01 | 43.12 |
| 3 | 44.31 | 44.27 | ..... | 44.03 | 43.78 | 43.18 | 43.13 | 43.18 | ..... | 43.24 | 43.07 | 42.94 |
| 4 | 44.24 | 44.25 | ..... | 44.01 | 43.78 | 43.14 | 43.18 | 43.27 | ..... | 43.14 | 43.11 | 42.99 |
| 5 | 44.20 | 44.20 | ..... | 43.87 | 43.77 | 43.12 | 43.24 | 43.30 | ..... | 43.09 | 43.11 | 43.10 |
| 6 | 44.24 | ..... | ..... | 43.96 | 43.81 | 43.05 | 43.21 | 43.33 | ..... | 43.13 | 43.16 | 43.07 |
| 7 | 44.25 | ..... | 44.02 | 43.99 | 43.76 | 43.00 | 43.21 | 43.38 | ..... | 43.11 | 43.15 | 43.10 |
| 8 | 44.32 | 44.22 | 44.00 | 44.00 | 43.71 | 43.00 | 43.18 | 43.31 | ..... | 43.12 | 43.12 | 43.08 |
| 9 | 44.37 | 44.21 | 43.95 | 43.91 | 43.70 | 43.04 | 43.21 | 43.28 | 43.20 | 43.19 | 43.08 | 43.01 |
| 10 | 44.37 | 44.22 | ..... | 43.80 | 43.71 | 43.10 | 43.23 | 43.22 | 43.18 | 43.17 | 43.13 | 42.95 |

a Well flowing prior to measurements.

Weber County - East Shore Area--Continued

(B-6-1)2ladl.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11 | 43.44 | 44.08 | ..... | 43.86 | 43.69 | 43.14 | 43.20 | 43.15 | 43.08 | 43.14 | 43.11 | ..... |
| 12 | 43.58 | 44.08 | 44.06 | 43.84 | 43.62 | 43.13 | 43.21 | 43.14 | 43.21 | 43.11 | 43.04 | 42.97 |
| 13 | 43.69 | ..... | 44.02 | 43.90 | 43.52 | 43.09 | 43.22 | 43.17 | 43.27 | 43.13 | 43.04 | 43.00 |
| 14 | 43.75 | ..... | 44.04 | 43.95 | 43.58 | 43.09 | 43.23 | 43.19 | 43.32 | 43.20 | 43.05 | 42.99 |
| 15 | 43.95 | 44.13 | 44.06 | 43.92 | 43.62 | 43.10 | 43.22 | 43.21 | 43.34 | 43.15 | 42.99 | 43.00 |
| 16 | 44.18 | 44.18 | 44.08 | 43.87 | 43.63 | 43.13 | 43.29 | 43.23 | 43.34 | 43.15 | 43.04 | 42.96 |
| 17 | 44.32 | 44.15 | 44.10 | 43.87 | 43.50 | 43.13 | 43.32 | 43.15 | 43.29 | 43.15 | 43.01 | 42.98 |
| 18 | 44.30 | 44.12 | 44.05 | 43.88 | 43.43 | 43.07 | 43.30 | 43.15 | 43.19 | 43.12 | 43.13 | 42.98 |
| 19 | 44.24 | 44.12 | 44.04 | ..... | 43.50 | 43.08 | 43.25 | 43.15 | 43.16 | 43.06 | 43.18 | 43.01 |
| 20 | 44.20 | 44.14 | 43.98 | ..... | 43.53 | 43.06 | 43.24 | 43.15 | 43.16 | 43.05 | 43.19 | 42.92 |
| 21 | 44.23 | 44.12 | 44.07 | ..... | 43.47 | 43.07 | 43.19 | 43.15 | 43.22 | 43.09 | 43.22 | 42.89 |
| 22 | 44.15 | 44.10 | 44.08 | ..... | 43.45 | 43.07 | 43.17 | 43.12 | 43.23 | 43.07 | 43.24 | 42.99 |
| 23 | 44.18 | 44.08 | 44.00 | ..... | 43.40 | 43.07 | 43.14 | ..... | 43.28 | 43.07 | 43.31 | 42.90 |
| 24 | 44.13 | 44.06 | 44.02 | ..... | 43.32 | 43.07 | 43.23 | ..... | 43.36 | 43.07 | 43.34 | 42.84 |
| 25 | 44.12 | 44.09 | 44.05 | ..... | 43.31 | 43.10 | 43.19 | ..... | 43.32 | 43.06 | 43.30 | 42.94 |
| 26 | 44.17 | 44.15 | 44.05 | ..... | 43.25 | 43.10 | 43.19 | ..... | 43.31 | 43.11 | 43.29 | 42.96 |
| 27 | 44.20 | 44.18 | 44.05 | 43.87 | 43.21 | 43.13 | 43.16 | ..... | 43.34 | 43.11 | 43.25 | 43.02 |
| 28 | 44.29 | 44.14 | 44.04 | 43.86 | 43.18 | 43.14 | 43.16 | ..... | 43.38 | 43.04 | 43.23 | 43.05 |
| 29 | 44.23 | ..... | 43.98 | 43.85 | 43.20 | 43.15 | 43.19 | ..... | 43.32 | 43.04 | 43.20 | 42.96 |
| 30 | 44.21 | ..... | 44.07 | 43.83 | 43.20 | 43.16 | 43.18 | ..... | 43.35 | 43.13 | 43.18 | 42.91 |
| 31 | 44.23 | ..... | 44.01 | ..... | 43.21 | ..... | 43.13 | ..... | 43.35 | 43.13 | ..... | 42.81 |

(B-6-1)30cbcb2. American Packing and Provision Co. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 4.6; Dec. 12,a/ 4.7.(B-6-2)1acd3. G. B. Taylor. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 15.1; Dec. 11,a/ 16.5.(B-6-2)8abdl. State claim 2471. West Weber L. D. C. Cemetery. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 13.2; Dec. 11, a/ 12.7.(B-6-2)1ldadl. State claim 5613. Jerome Wheeler. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 19.1; Dec. 11,a/ 19.75.(B-6-2)17accl. State claim 695. H. C. Gibson. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 15.5; Dec. 12,a/ 15.9.

(B-6-2)22dcdl. F. M. Petterson. Water levels, in feet below measuring point, 1941: Mar. 11, 1.02; Oct. 30, 1.64; Dec. 12, 1.01.

(B-6-2)25cccl. State claim 15111. G. E. Stratford. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 6.6; Dec. 12,a/ 7.8.(B-6-2)26adal. State claim 1196. Amalgamated Sugar Co. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 10.45; Dec. 12,a/ 13.1.(B-6-2)34dbbl. State application 11869. Heber Swarner. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 24.2; Dec. 12,a/ 25.1.

(B-6-2)26bbbl. State claim 7505. Mrs. F. G. Kelley. Water levels, in feet above measuring point, 1941: Mar. 11, 30.2; Dec. 12, 27.8.

(B-7-1)32adal. State claim 14931. Joseph Folkman. Water levels, in feet above measuring point, 1941: Mar. 11, 11.85; Dec. 11, 11.1.

(B-7-2)21dc. Annie Maw. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 2.71; Dec. 11,a/ 2.23.(B-7-2)32dabl. State claim 15095. Marie Olsen. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 37.1; Dec. 11, 33.3.(B-7-3)35daal. State claim 5489. Herman Van Brask. Water levels, in feet above measuring point, 1941: Mar. 11,a/ 9.0; Dec. 11,a/ 8.85.
a well flowing prior to measurements.

Weber County - Ogden Valley

(A-6-1)ldc. Measuring point since Oct. 30, 1941, is top of well cover, level with land surface. Water level, in feet below measuring point, 1941: Oct. 30, 9.51.

(A-6-1)2db. H. B. Stallings. Water level, in feet below measuring point, 1941: Oct. 30, 14.33.

(A-6-1)lldc. U. S. Bureau of Reclamation.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 30.37 | 31.82 | 32.35 | 27.50 | 15.45 | 11.25 | 12.55 | 14.11 | 15.99 | 17.92 | 18.32 | 18.83 |
| 2 | 30.41 | 31.89 | 32.35 | 27.31 | 15.02 | 11.26 | 12.56 | 14.16 | 16.08 | 17.97 | 18.20 | 18.85 |
| 3 | 30.44 | 31.93 | 32.35 | 27.01 | 14.93 | 11.27 | 12.59 | 14.23 | 16.17 | 18.02 | 18.20 | 18.88 |
| 4 | 30.48 | 31.98 | 32.26 | 26.75 | 14.96 | 11.29 | 12.67 | 14.34 | 16.25 | 18.06 | 18.16 | 18.15 |
| 5 | 30.52 | 32.04 | 32.26 | 26.28 | 14.93 | 11.29 | 12.75 | 14.42 | 16.32 | 17.81 | 18.16 | 18.16 |
| 6 | 30.56 | 32.11 | 32.25 | 25.63 | 14.02 | 11.31 | 12.86 | 14.49 | 16.26 | 17.76 | 18.18 | 18.18 |
| 7 | 30.60 | 32.15 | 32.25 | 25.10 | 13.25 | 11.30 | 12.96 | 14.58 | 16.32 | 17.73 | 18.21 | 18.21 |
| 8 | 30.65 | 32.19 | 32.25 | 24.66 | 12.87 | 11.22 | 13.04 | 14.66 | 16.37 | 17.77 | 18.24 | 18.23 |
| 9 | 30.70 | 32.24 | 32.25 | 24.29 | 12.68 | 11.21 | 13.10 | 14.72 | 16.41 | 17.81 | 18.27 | 18.27 |
| 10 | 30.75 | 32.28 | 32.25 | 23.84 | 12.75 | 11.22 | 13.15 | 14.76 | 16.46 | 17.85 | 18.30 | 18.30 |
| 11 | 30.81 | 32.33 | 32.25 | 23.41 | 12.82 | 11.23 | 13.20 | 14.80 | 16.52 | 17.86 | 18.33 | 18.33 |
| 12 | 30.87 | 32.19 | 32.25 | 23.04 | 12.89 | 11.24 | 13.25 | 14.83 | 16.59 | 17.89 | 18.36 | 18.36 |
| 13 | 30.94 | 32.17 | 32.25 | 22.68 | 12.96 | 11.26 | 13.29 | 14.78 | 16.66 | 17.84 | 18.39 | 18.38 |
| 14 | 31.00 | 32.20 | 32.25 | 22.36 | 13.00 | 11.28 | 13.33 | 14.81 | 16.74 | 17.87 | 18.42 | 18.40 |
| 15 | 31.07 | 32.21 | 32.25 | 22.05 | 13.00 | 11.36 | 13.37 | 14.84 | 16.82 | 17.92 | 18.45 | 18.43 |
| 16 | 31.13 | 32.24 | 32.25 | 21.74 | 12.29 | 11.49 | 13.43 | 14.92 | 16.90 | 17.95 | 18.48 | 18.48 |
| 17 | 31.20 | 32.22 | 32.24 | 21.35 | 11.56 | 11.64 | 13.50 | 15.01 | 16.99 | 17.98 | 18.51 | 18.56 |
| 18 | 31.23 | 32.24 | 32.24 | 20.03 | 11.56 | 11.78 | 13.58 | 15.08 | 17.09 | 18.01 | 18.52 | 18.41 |
| 19 | 31.28 | 32.26 | 32.23 | 19.75 | 11.56 | 11.92 | 13.66 | 15.13 | 17.19 | 18.04 | 18.53 | 18.42 |
| 20 | 31.34 | 32.24 | 32.22 | 19.51 | 11.56 | 12.05 | 13.73 | 15.17 | 17.29 | 18.07 | 18.56 | 18.45 |
| 21 | 31.38 | 32.25 | 32.21 | 19.28 | 11.56 | 12.12 | 13.76 | 15.22 | 17.38 | 18.10 | 18.58 | 18.48 |
| 22 | 31.43 | 32.25 | 32.21 | 18.05 | 11.57 | 12.16 | 13.80 | 15.29 | 17.46 | 18.11 | 18.59 | 18.51 |
| 23 | 31.48 | 32.26 | 30.43 | 18.72 | 11.57 | 12.20 | 13.85 | 15.35 | 17.52 | 18.13 | 18.62 | 18.54 |
| 24 | 31.53 | 32.26 | 29.57 | 18.34 | 11.62 | 12.25 | 13.92 | 15.41 | 17.55 | 18.15 | 18.65 | 18.58 |
| 25 | 31.57 | 32.28 | 28.64 | 17.97 | 11.66 | 12.32 | 13.98 | 15.47 | 17.60 | 18.17 | 18.68 | 18.61 |
| 26 | 31.62 | 32.28 | 28.46 | 17.55 | 11.68 | 12.39 | 13.96 | 15.54 | 17.65 | 18.18 | 18.71 | 18.64 |
| 27 | 31.60 | 32.32 | 28.34 | 17.40 | 11.66 | 12.47 | 13.95 | 15.60 | 17.69 | 18.21 | 18.74 | 18.68 |
| 28 | 31.65 | 32.33 | 28.21 | 17.00 | 11.53 | 12.52 | 13.95 | 15.67 | 17.74 | 18.23 | 18.75 | 18.70 |
| 29 | 31.69 | ..... | 28.07 | 16.42 | 11.54 | 12.54 | 13.97 | 15.74 | 17.78 | 18.23 | 18.77 | 18.73 |
| 30 | 31.74 | ..... | 27.91 | 15.73 | 11.54 | 12.55 | 14.01 | 15.82 | 17.85 | 18.26 | 18.80 | 18.76 |
| 31 | 31.78 | ..... | 27.40 | ..... | 11.24 | ..... | 14.06 | 15.90 | ..... | 18.30 | ..... | 18.79 |

(A-6-1)lldd. Ogden Yacht Club. Water level, in feet below measuring point, 1941: Oct. 30, 18.15.

(A-6-1)l2aal. City of Ogden.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| 1 | ..... | 23.66 | 22.47 | 18.14 | 12.54 | 7.42 | 8.46 | 11.83 | 15.92 | 18.87 | 17.84 | 17.56 |
| 2 | ..... | 23.72 | 22.20 | 18.06 | 12.15 | 7.42 | 8.57 | 12.07 | 16.00 | 18.63 | 17.66 | 17.56 |
| 3 | ..... | 23.79 | 22.00 | 17.99 | 11.70 | 7.40 | 8.76 | 12.31 | 16.16 | 18.60 | 17.59 | 17.49 |
| 4 | 21.89 | 23.82 | 21.67 | 17.65 | 11.30 | 7.42 | 9.33 | 12.73 | 16.31 | 18.37 | 17.48 | 17.50 |
| 5 | 21.91 | 23.84 | 21.36 | 17.59 | 10.83 | 7.44 | 9.74 | 13.07 | 16.21 | 18.24 | 17.44 | 17.51 |
| 6 | 22.02 | 23.88 | 20.92 | 17.49 | 10.53 | 7.45 | 9.92 | 13.39 | 16.14 | 18.23 | 17.49 | 17.48 |
| 7 | 22.12 | 23.98 | ..... | 17.40 | 10.14 | 7.39 | 9.99 | 13.63 | 16.16 | 18.35 | 17.61 | 17.45 |
| 8 | 22.28 | 24.06 | ..... | 17.28 | 9.90 | 7.38 | 9.92 | 13.80 | 16.23 | 18.47 | 17.60 | 17.41 |
| 9 | 22.40 | 24.09 | 20.69 | 17.15 | 9.71 | 7.28 | 9.80 | 13.80 | 16.30 | 18.61 | 17.56 | 17.35 |
| 10 | 22.47 | 24.13 | 20.59 | 16.93 | 9.68 | 7.28 | 9.81 | 13.53 | 16.40 | 18.47 | 17.57 | 17.37 |
| 11 | 22.53 | 24.11 | 20.46 | 16.98 | 9.71 | 7.28 | 10.00 | 13.39 | 16.64 | 18.39 | 17.57 | 17.43 |
| 12 | 22.59 | 24.14 | 20.40 | 16.86 | 9.71 | 7.28 | 10.03 | 13.37 | 16.99 | 18.42 | 17.52 | 17.50 |
| 13 | 22.68 | ..... | 20.31 | 16.75 | 9.56 | 7.28 | 10.06 | 13.40 | 17.25 | 18.56 | 17.57 | 17.58 |
| 14 | 22.66 | 24.09 | 20.22 | 16.64 | 9.36 | 7.32 | 10.10 | 13.44 | 17.37 | 18.65 | 17.59 | 17.63 |

Weber County - Ogden Valley--Continued

(A-6-1)12aal.--Continued.

Water level at noon, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|
| 15 | 22.76 | 24.11 | 20.14 | 16.52 | 9.02 | 7.63 | 10.18 | 13.71 | 17.53 | 18.68 | 17.57 | 17.69 |
| 16 | 22.84 | 24.13 | 20.03 | 16.40 | 8.68 | 8.02 | 10.39 | 13.77 | 17.67 | 18.53 | 17.50 | 17.73 |
| 17 | 22.94 | 24.07 | 19.94 | 16.29 | 8.31 | 8.19 | 10.66 | 13.89 | 17.90 | 18.39 | 17.44 | 17.70 |
| 18 | 22.97 | 24.06 | 19.81 | 16.17 | 8.06 | 8.31 | 10.96 | 14.02 | 18.19 | 18.39 | 17.48 | 17.71 |
| 19 | 22.97 | 23.96 | 19.73 | 15.80 | 8.00 | 8.45 | 11.18 | 14.13 | 18.35 | 18.36 | 17.51 | 17.76 |
| 20 | 22.97 | 23.95 | 19.59 | 15.79 | 7.92 | 8.46 | 11.05 | 14.23 | ..... | 18.33 | 17.54 | 17.73 |
| 21 | 23.04 | 23.93 | 19.55 | 15.73 | 7.80 | 8.21 | 10.78 | 14.46 | ..... | 18.35 | 17.51 | 17.72 |
| 22 | 23.05 | 23.85 | 19.47 | 15.55 | 7.81 | 8.07 | 10.91 | 14.71 | ..... | 18.24 | 17.46 | 17.83 |
| 23 | 23.14 | 23.71 | 19.28 | 15.35 | 7.98 | 8.03 | 11.10 | 14.84 | ..... | 18.13 | 17.49 | 17.82 |
| 24 | 23.16 | 23.56 | 19.09 | 15.07 | 8.09 | 8.12 | 11.39 | ..... | ..... | 17.98 | 17.48 | 17.79 |
| 25 | 23.24 | 23.40 | 18.95 | 14.83 | 7.99 | 8.37 | 11.59 | ..... | ..... | 17.95 | 17.45 | 17.91 |
| 26 | 23.30 | 23.30 | 18.82 | 14.51 | 7.82 | 8.52 | 11.26 | ..... | 18.07 | 17.97 | 17.46 | 17.94 |
| 27 | 23.41 | 23.04 | 18.69 | 14.20 | 7.70 | 8.64 | 11.07 | ..... | 18.43 | 17.95 | 17.46 | 18.00 |
| 28 | 23.43 | 22.54 | ..... | 13.96 | 7.59 | 8.62 | 11.02 | ..... | 18.44 | 17.94 | 17.46 | 18.02 |
| 29 | 23.46 | ..... | 18.46 | 13.48 | 7.50 | 8.49 | 11.37 | 15.56 | 18.44 | 18.00 | 17.53 | 17.94 |
| 30 | 23.53 | ..... | 18.39 | 12.96 | 7.42 | 8.44 | 11.61 | 15.73 | 18.78 | 18.00 | 17.55 | 17.95 |
| 31 | 23.61 | ..... | 18.30 | ..... | 7.41 | .... | 11.72 | 15.85 | ..... | 18.02 | ..... | 17.88 |

(A-6-1)13ab. Water level, in feet below measuring point, 1941:
Oct. 30, 15.83.(A-6-2)6aa. Water level, in feet below measuring point, 1941:
Oct. 30, 3.75.(A-6-2)6ddl. Water level, in feet below measuring point, 1941:
Oct. 30, 12.73.

(A-6-2)16badl. State claim 14230. Golden Bingham. Water level, in feet below measuring point, 1941: Oct. 30, 25.94.

(A-6-2)18acc. Charles Felt. Water level, in feet below measuring point, 1941: Oct. 30, 15.71.

(A-6-2)21cc. C. D. Shupe. Water level, in feet below measuring point, 1941: Oct. 30, 14.32.

(A-7-1)29baal. State claim 14564. Elmer Gardner. Water level, in feet below measuring point, 1941: Oct. 30, 17.15.

(A-7-1)35cb. Water level, in feet below measuring point, 1941:
Oct. 30, 16.22.(A-7-1)35cd. Water level, in feet below measuring point, 1941:
Oct. 30, 13.30.

WASHINGTON

By G. C. Taylor, Jr., and L. C. Huff

During 1941 periodic measurements of water level were continued in observation wells in connection with five cooperative projects in the State of Washington. The scope and status of each of these projects is described below.

Tacoma Area, Pierce County

In the Tacoma area, in Pierce County, the observation-well program was continued during 1941 on about the same scope as in 1940 in cooperation with the Tacoma Department of Public Utilities. Records of water levels before 1939 are given in two preliminary reports on the Tacoma area.^{1/} Records of water levels from 1939 through 1941 are on file in the office of the Division of Ground Water in Portland, Ore., where they are available to the public. They are to be published in a forthcoming general report.

State-wide Project

In the State-wide net of observation wells established in 1939, quarterly measurements of water level were continued through 1941 in cooperation with the State Department of Conservation and Development. Records of water levels obtained during 1941 in this group of observation wells will be included with measurements for 1939 and 1940 in a separate report.^{2/}

^{1/} Piper, A. M., and La Rocque, G. A., Jr., Ground water in the Tacoma area, Washington: Progress report No. 1: U. S. Geol. Survey typewritten report, 104 pp., released June 6, 1938.

La Rocque, G. A., Jr., and Piper, A. M., Ground water in the Tacoma area, Washington: Progress report No. 2: U. S. Geol. Survey typewritten report, 70 pp., released Aug. 30, 1938.

^{2/} La Rocque, G. A., Jr., Public water supplies from wells and springs in the State of Washington: U. S. Geol. Survey (report in preparation).

Columbia Basin Project

Adams, Franklin, and Grant Counties

Periodic measurements of water level in observation wells in the area covered by the Columbia Basin Project were begun in 1939 by the Bureau of Reclamation and were continued after August 1940 by the Geological Survey, in cooperation with the Washington State Department of Conservation and Development, in connection with an investigation of ground-water features of the area. The area under study covers about 3,900 square miles of the Columbia Plateau in east-central Washington; it includes most of Grant and Franklin Counties and the eastern part of Adams County.

The Yakima basalt, which underlies the entire project area, is the most extensive single source of water for domestic and municipal purposes, for irrigation, and for stock. In this rock, water occurs chiefly in scoriaceous and fragmental zones and somewhat less abundantly in joints and minor fractures. These water-bearing zones range from a few feet to 1,000 feet or more below the land surface. They differ greatly in productiveness and lateral extent. In the vicinity of Quincy, near the northwestern part of the area, heavy withdrawal of water from the basalt for irrigation has caused the water level to decline locally more than 35 feet in the past 25 years. Elsewhere in the project area, however, the withdrawals from the basalt are comparatively light and dispersed, so that the water level has not tended to fall progressively.

Unconsolidated deposits that overlie the basalt are water-bearing in several districts. Thus, in the central part of the Quincy Basin scattered domestic and stock wells tap water in sand and fine gravel of early Pleistocene (?) age. In the northern, north-central, and extreme southern parts of the project area, glacial outwash gravel yields sufficient water for irrigation, stock, and domestic purposes. Near Stratford and Moses Lake these deposits commonly yield from 300 to 700 gallons a minute to irrigation wells with very little drawdown.

In this report water-level records for 19 observation wells in the Columbia Basin are given for the first time. Prior to August 1940 measurements were made quarterly in these wells by the Bureau of Reclamation; thereafter, by the Geological Survey at intervals of 2 or 3 months. A few

measurements by the Geological Survey in 2 wells during 1938 and 1939 are also included. Altogether 195 measurements of water level were made from 1938 to 1941, inclusive. The records of these measurements are given on subsequent pages under county headings.

In 1941 there was a net rise in 11 observation wells and a net decline in 3 observation wells. The greatest net rise was 5.24 feet and the greatest net decline was 0.57 foot. The average of the net changes in the 14 wells was a rise of 0.65 foot.

Spokane Valley, Spokane County

During 1941 a comprehensive investigation of ground-water features of the Spokane Valley and the adjoining Rathdrum Prairie area in Idaho was begun by the Geological Survey in cooperation with the State Department of Conservation and Development. This investigation will round out the program begun several years ago and described briefly elsewhere.^{3/}

In 1941 the observation-well program was continued, in cooperation with the State Department of Conservation and Development, and in collaboration with the Water Division of the city of Spokane and the Washington Water Power Co. Water-level measurements were made by G. C. Taylor, Jr., and L. C. Huff, of the Geological Survey; by A. H. Schafer, of the city Water Division; and by C. R. Mells and W. E. Johnson, of the power company.

During the year 21 wells were under observation. In 15 wells water levels were measured monthly, at 3 wells float gages were read weekly, and in 3 wells continuous graphs of water levels were obtained with automatic water-level recorders. Approximately 370 measurements of water level were made in the 18 wells not equipped with mechanical recorders. The records of these measurements are given, on subsequent pages, under "Spokane County".

The following summary is based on the records of 15 of the observation wells. From the autumn of 1940 (October 29-30, 1940) to the autumn of 1941 (November 7-10, 1941) there was a net rise in 9 wells, a net decline in 5 wells, and no change in 1 well, the average being a net rise of 0.23 foot. From the autumn of 1940 to the spring of 1941 there was a net rise in 15 wells and a net decline in only 1 well, the average being a net rise of 1.58 feet. From the spring to the autumn of 1941, however, there was a net rise in only 1 well and a net decline in 14 wells, the average being a net decline of 1.35 feet.

^{3/} Piper, A. M., and La Rocque, G. A., Jr., Water-table fluctuations in the Spokane Valley and contiguous area, Washington-Idaho: U. S. Geol. Survey Water-Supply Paper 889-B, in preparation.

Although the water levels on the average rose slightly during the year, they remained relatively low. In August the water levels in two wells fell lower than ever before observed. Among the 15 observation wells the lowest average water level of 1941 was 2.89 feet above the lowest on record, whereas the highest average water level of 1941 was 7.77 feet below the highest on record.

During 1941 the precipitation at Spokane was considerably more than normal, but, as was indicated in Water-Supply Paper 910, ground-water levels near Spokane are influenced more by the precipitation in the recharge area in Idaho, to the east, than by local precipitation. The dissimilarity between fluctuations in ground-water levels near Spokane and fluctuations in local precipitation was especially marked in May and June of 1941; in those two months the ground-water levels were much lower than usual while precipitation at Spokane was twice its normal amount. See also the discussion under "Idaho".

Palouse River Area, Whitman County

During 1941, the observation-well program in the basin of the South Fork of the Palouse River in Whitman County, Wash., and Latah County, Idaho, was continued in reduced scope by the Geological Survey in collaboration with the Soil Conservation Service. In 12 water-table wells on the Soil Erosion Experiment Station Farm measurements of water level were made by the Soil Conservation Service at weekly to monthly intervals. In three artesian wells and one water-table well near Pullman measurements of water level were made by the Geological Survey at intervals two to three months apart. Altogether 344 water-level measurements were made during the year by the two agencies.

Owing to small excesses of precipitation in 1940 and 1941, the accumulated deficiency in precipitation since 1930 had diminished to 9.32 inches by the end of 1941; the water levels in the 13 water-table wells in Whitman County recovered somewhat from the record low stages of 1940, but remained lower than normal. The highest water-table level of 1941 was lower than that of 1940 in 8 wells but higher in 5 wells; the lowest level of 1941 was higher than that of 1940 in all 13 wells.

In the three artesian observation wells the water level continued to decline, but the rate of decline was diminished somewhat.

The two tables that follow summarize water-level fluctuations during the year.

Summary of water-level changes, in feet, in water-table observation wells in Whitman County, 1941

| Well | Highest level, spring of 1941 | | Lowest level, autumn of 1941 | |
|------------|-------------------------------|---|------------------------------|---------------------------------|
| | Rise since autumn of 1940 | Net rise (+) or decline (-) from high level of 1940 | Decline since spring of 1941 | Net rise from low level of 1940 |
| 3N | 2.92 | +0.12 | 1.76 | 1.04 |
| 2N | 5.22 | -1.52 | 2.99 | 2.23 |
| 1N | 3.24 | -3.35 | 5.10 | 1.49 |
| 1E | 2.99 | + .71 | 1.48 | 1.52 |
| 3E | 6.35 | -1.10 | 6.00 | .35 |
| 4E | 3.24 | + .05 | 2.30 | .94 |
| 5E | 7.61 | +2.50 | 6.75 | .86 |
| 1S | 3.03 | + .55 | 1.54 | 1.50 |
| 2S | 2.80 | - .44 | 1.42 | 1.38 |
| 3S | 1.82 | - .53 | .99 | .83 |
| 4S | 4.27 | - .95 | 2.49 | 1.78 |
| 5S | 5.41 | -1.18 | 3.59 | 2.23 |
| Average | 4.07 | - .43 | 3.03 | 1.35 |
| 14/45-11N2 | 5.03 | - .93 | 2.33 | 2.70 |

Summary of water-level changes, in feet, in artesian observation wells in Whitman County, 1941

| Well | Highest level, spring of 1941 | | Lowest level, autumn of 1941 | |
|-----------|-------------------------------|-------------------------------------|------------------------------|---------------------------------|
| | Rise since autumn of 1940 | Net decline from high level of 1940 | Decline since spring of 1941 | Net rise from low level of 1940 |
| 14/45-4N1 | 0.73 | 0.88 | 0.69 | 0.13 |
| 14/45-5B1 | .58 | 1.08 | .74 | .13 |
| 14/45-5D2 | 1.45 | .96 | .72 | .11 |
| Average | .92 | .97 | .72 | .12 |

Records of water levels in 1941

Adams County

15/29-30B1. Herman R. Kuhn. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 15 N., R. 29 E. Beneath windmill tower, 200 feet southeast of abandoned ranch house. Unused drilled stock well, diameter 6 inches, depth 337 feet, open-bottom steel casing, dismantled lift pump. Measuring point, top of casing, 4.2 feet below land surface, 855 feet above preliminary sea-level datum. Local datum, 700 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation.

Water level, in feet above a local datum, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Nov. 14, 1940 | 4.30 | Mar. 21, 1941 | 4.53 | Oct. 4, 1941 | 4.71 |
| Dec. 27 | 4.79 | Aug. 9 | 4.68 | Dec. 2 | 4.97 |
| Feb. 7, 1941 | 4.71 | | | | |

Adams County--Continued.

16/29-35R1. Kathryn D. Tate. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 16 N., R. 29 E. About 200 feet east of farm house, 200 feet north of Othello-Cunningham county highway, 2 miles east of Othello, Washington. Unused drilled domestic well, diameter 6 inches, depth 314 feet, open-bottom steel casing, unused lift pump. Measuring point, top of 4 by 4-inch timber pump-column support, 0.35 foot above land surface, 1,117 feet above preliminary sea-level datum. Local datum, 800 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation. Water levels, in feet above a local datum: Dec. 27, 1940, 7.30; Feb. 6, 1941, 7.91; Mar. 21, 1941, 7.78; Oct. 4, 1941, 9.85.

19/31-19B1. Barbara Dormaier. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 19 N., R. 31 E. About 300 feet southeast of the north quarter corner of section 19, about 150 feet west-northwest of barn, 300 feet south of county highway. Unused drilled domestic well, diameter 6 inches, depth 218 feet, open-bottom galvanized iron casing. Measuring point, top of casing, south side, even with land surface, 1,454 feet above preliminary sea-level datum. Local datum, 1,200 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation.

Water level, in feet above a local datum, 1939-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Mar. 22, 1939 | 67.0 | Aug. 26, 1940 | 69.62 | June 9, 1941 | 69.51 |
| Aug. 7 | 68.5 | Dec. 11 | 69.51 | Aug. 10 | 69.52 |
| Dec. 19 | 69.9 | Feb. 7, 1941 | 69.44 | Oct. 4 | 69.52 |
| Apr. 17, 1940 | 69.6 | Mar. 21 | 69.55 | Dec. 1 | 69.54 |

Franklin County

9/30-19F1. Owner unknown. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 9 N., R. 30 E. About 75 feet north of county road, 150 feet north of farmhouse, and 15 feet east of concrete irrigation structure. Unused dug domestic well, diameter 36 inches, depth 80 feet, open-bottom concrete curb, bucket and windlass. Measuring point, top inside edge of concrete curb, south side of well, even with land surface, 375 feet above preliminary sea-level datum. Local datum, 200 feet above preliminary sea-level datum. Taps water in stream gravel. Water level affected by changes in stage of Columbia River, 1.5 miles distant.

Water level, in feet above a local datum, 1940-41

| | | | | | |
|---------------|-------|---------------|-------|---------------|-------|
| Oct. 29, 1940 | 97.29 | Mar. 29, 1941 | 94.30 | Aug. 11, 1941 | 95.87 |
| Dec. 27 | 95.82 | June 3 | 95.01 | Oct. 4 | 96.48 |
| Feb. 3, 1941 | 95.11 | | | | |

10/30-18G1. J. L. De Force. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 10 N., R. 30 E. Beneath canvas shelter between corrals at sheep camp, 1.33 miles northeast along U. S. Highway 395 from Glade station, thence 0.47 mile west-southwest by trail from highway. Drilled stock well, diameter 10 inches, depth 716 feet, open-bottom steel casing, lift pump. Measuring point, top of coupling on casing, north side of well, even with land surface, 525 feet above preliminary sea-level datum. Local datum, 300 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation.

Water level, in feet above a local datum, 1940-41

| | | | | | |
|---------------|-------|---------------|-------|--------------|-------|
| Oct. 15, 1940 | 42.75 | Mar. 28, 1941 | 43.04 | Oct. 4, 1941 | 43.10 |
| Dec. 27 | 43.01 | June 3 | 42.84 | Dec. 2 | 43.40 |
| Feb. 3, 1941 | 42.75 | Aug. 11 | 42.98 | | |

Franklin County--Continued.

11/30-11B1. Northern Pacific Railway. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 11 N., R. 30 E. In abandoned pump house, about 150 feet east of railroad section house at Eltopia, Washington. Unused dug railroad well, diameter 8 inches, depth 117 feet, open-bottom and filled around steel casing. Measuring points (1) top of casing, 3.6 feet below land surface, 590 feet above preliminary sea-level datum; (2) top edge of east 8 by 16-inch timber at USGS nail and washer, 0.1 foot below land surface, 593.46 feet above preliminary sea-level datum. Local datum, 400 feet above preliminary sea-level datum. Taps water in glacial outwash gravel. Water level affected by infiltration from runoff in Esquatzel Coulee.

Water level, in feet above a local datum, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Oct. 14, 1940 | 81.23 | Mar. 28, 1941 | 81.25 | Oct. 4, 1941 | 81.22 |
| Dec. 27 | 81.28 | June 3 | 81.21 | Dec. 2 | 81.22 |
| Feb. 3, 1941 | 81.22 | Aug. 11 | 81.20 | | |

13/20-26G2. M. M. Poe. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 13 N., R. 30 E. At east end of barn, 20 feet west of corral fence, 300 feet north-northeast of ranch house, at Mesa, Washington. Dug stock well, diameter 72 inches, depth 28 feet, open-bottom concrete curb, lift pump. Measuring point, top inside edge of 2 by 6-inch plank at USGS nail and washer, south side of well, 3 feet above land surface, 670 feet above preliminary sea-level datum. Local datum, 600 feet above preliminary sea-level datum. Taps water in glacial outwash gravel. Water level affected by pumping and infiltration from runoff in Esquatzel Coulee.

Water level, in feet above a local datum, 1940-41

| | | | | | |
|--------------|-------|---------------|---------|--------------|-------|
| Nov. 6, 1940 | 40.21 | Mar. 28, 1941 | 39.79 | Oct. 4, 1941 | 39.73 |
| Dec. 27 | 39.78 | June 3 | a 39.48 | Dec. 2 | 39.71 |
| Feb. 3, 1941 | 39.73 | Aug. 11 | a 39.57 | | |

Grant County

18/28-34H1. Eugene Pfeffer. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 18 N., R. 28 E. In abandoned pump house, 100 feet northeast of abandoned yellow ranch house, 300 feet west of county road and telephone line. Abandoned drilled irrigation well, diameter 6 inches, depth 164 feet, open-bottom steel casing. Measuring point, top of casing, even with land surface, 1,075 feet above preliminary sea-level datum. Local datum, 900 feet above preliminary sea-level datum. Taps water in basalt.

Water level, in feet above a local datum, 1940-41

| | | | | | |
|----------------|-------|---------------|-------|--------------|-------|
| Sept. 26, 1940 | 68.90 | Mar. 21, 1941 | 68.99 | Oct. 4, 1941 | 69.13 |
| Dec. 11 | 68.71 | June 9 | 69.11 | Dec. 2 | (b) |
| Feb. 7, 1941 | 68.80 | Aug. 9 | 69.17 | | |

19/24-7J1. E. J. Hutton. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 19 N., R. 24 E. About 50 feet south of trail, 0.13 mile west of State Highway 7, 5.50 miles south of Quincy, Washington. Unused drilled irrigation well, diameter 10 inches, depth reported 502 feet, open-bottom steel casing. Measuring points (1) top inside edge of steel flange at head of open pump column, 1.0 foot above steel base to which head is bolted, 5.0 feet below land surface, 1,249.95 feet above preliminary sea-level datum; (2) top inside edge of concrete frame for pump jack, south side of well, 2.0 feet above land surface, 1,257 feet above preliminary sea-level datum. Local datum, 1,000 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation.

Water level, in feet above a local datum, 1938-41

| | | | | | |
|---------------|-------|---------------|-------|--------------|-------|
| July 19, 1938 | 85.23 | Dec. 14, 1939 | 85.51 | Feb. 8, 1941 | 85.09 |
| Aug. 25 | 85.21 | 20 | 86.0 | Mar. 23 | 84.87 |
| Nov. 18 | 85.17 | Apr. 17, 1940 | 85.8 | June 8 | 85.11 |
| Jan. 25, 1939 | 84.61 | May 9 | 84.94 | Aug. 10 | 85.10 |
| Mar. 31 | 85.1 | Aug. 27 | 85.16 | Oct. 5 | 85.16 |
| June 10 | 85.23 | Oct. 10 | 85.03 | Nov. 29 | 85.18 |
| Sept. 8 | 85.3 | Dec. 12 | 84.84 | | |
| 20 | 85.37 | 31 | 85.04 | | |

a Pumping operating in well.

b Well obstructed; measurements temporarily discontinued.

Grant County--Continued.

19/26-34D1. F. H. Bordwell. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 19 N., R. 26 E. Twenty feet west of pile of boulders, about 350 feet southeast of intersection of the Bonneville-Couleee transmission line and State Highway 18. Abandoned drilled domestic well, diameter 6 inches, depth 100 feet, open-bottom steel casing. Measuring point, top of casing, 1.8 feet above land surface, 1,171 feet above preliminary sea-level datum. Local datum, 1,000 feet above preliminary sea-level datum. Taps water in Pleistocene (?) lacustrine sand.

Water level, in feet above a local datum, 1939-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Mar. 29, 1939 | 76.5 | Aug. 27, 1940 | 76.90 | June 9, 1941 | 76.90 |
| Sept. 6 | 76.7 | Dec. 11 | 76.90 | Aug. 10 | 76.92 |
| Dec. 20 | 77.0 | Feb. 7, 1941 | 76.86 | Oct. 5 | 76.93 |
| Apr. 17, 1940 | 76.9 | Mar. 21 | 76.91 | Dec. 1 | 76.97 |

19/28-15L1. Owner unknown. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 19 N., R. 28 E. Fifty feet northeast of unpainted house, 150 feet south of abandoned white house, 20 feet south of Ephrata-Neppel County highway. Abandoned dug domestic well, diameter 40 inches, depth 63 feet, open-bottom timber curbing. Measuring point, top inside edge of timber curb at USGS nail and washer, west side of well, even with land surface, 1,104 feet above preliminary sea-level datum. Local datum, 1,000 feet above preliminary sea-level datum. Taps water in glacial outwash gravel. Water level affected by changes in stage of Moses Lake.

Water level, in feet above a local datum, 1939-41

| | | | | | |
|---------------|------|---------------|-------|--------------|-------|
| Mar. 22, 1939 | 44.0 | Aug. 26, 1940 | 44.51 | June 9, 1941 | 45.60 |
| Sept. 8 | 42.0 | Dec. 11 | 45.21 | Aug. 9 | 45.29 |
| Dec. 21 | 44.6 | Feb. 7, 1941 | 45.88 | Oct. 4 | 45.50 |
| Apr. 16, 1940 | 45.4 | Mar. 21 | 45.51 | Dec. 1 | 44.64 |

19/29-36J1. H. A. Klussman. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 19 N., R. 29 E. Beneath dismantled windmill tower, 40 feet east of abandoned yellow farm house, 0.5 mile north of State Road 18. Abandoned drilled domestic well, diameter 6 inches, depth reported 150 feet, open-bottom steel casing. Measuring point, top of pump head, 2.8 feet above land surface, 1,273 feet above preliminary sea-level datum. Local datum, 1,100 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation.

Water level, in feet above a local datum, 1939-41

| | | | | | |
|---------------|------|---------------|-------|--------------|-------|
| Apr. 4, 1939 | 31.5 | Aug. 26, 1940 | 31.99 | June 9, 1941 | 33.44 |
| Aug. 7 | 34.1 | Dec. 11 | 32.75 | Aug. 10 | 33.47 |
| Dec. 19 | 31.5 | Feb. 7, 1941 | 33.26 | Oct. 4 | 33.46 |
| Apr. 16, 1940 | 32.4 | Mar. 21 | 33.13 | Dec. 1 | 33.55 |

20/24-9E1. Wenatchee Apple Land Co. NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 20 N., R. 24 E. About 15 feet north of concrete reservoir, 1.0 mile east, 0.75 mile north, and 0.25 mile east of highway, county road, and private land from junction of State Highways 7 and 10 in Quincy, Washington. Unused drilled irrigation well, diameter 10 inches, depth 425 feet, open-bottom steel casing. Measuring point, top of casing, west side, even with land surface, 1,304 feet above preliminary sea-level datum. Local datum, 1,000 feet above preliminary sea-level datum. Taps water in basalt. Water level affected by pumping in 4 irrigation wells located 0.25 mile northeast, 0.30 mile northwest, 0.50 mile west, and 0.30 mile southwest.

Water level, in feet above a local datum, 1938-41

| | | | | | |
|---------------|-------|---------------|-------|---------------|-------|
| Aug. 25, 1938 | 36.43 | Oct. 10, 1940 | 39.42 | Mar. 23, 1941 | 43.05 |
| Dec. 20, 1939 | 42.4 | Dec. 12 | 41.27 | June 8 | 40.31 |
| Apr. 17, 1940 | 44.4 | 31 | 41.54 | Oct. 5 | 37.36 |
| Aug. 27 | 36.6 | Feb. 8, 1941 | 42.41 | | |

Grant County--Continued.

20/26-18R1. D. J. Miles. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 20 N., R. 26 E. About 300 feet northwest of intersection of graded county road and power line, 0.2 mile north of air beacon, near fenced cistern. Unused drilled irrigation well, diameter 6 inches, depth 178 feet, open-bottom steel casing. Measuring point, top inside edge of concrete curb, south side of pit, even with land surface, 1,246 feet above preliminary sea-level datum. Local datum, 1,000 feet above preliminary sea-level datum.

Water level, in feet above a local datum, 1939-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Mar. 29, 1939 | 84.5 | Aug. 28, 1940 | 83.91 | June 9, 1941 | 83.87 |
| Sept. 6 | 84.0 | Dec. 11 | 83.97 | Aug. 10 | 83.90 |
| Dec. 19 | 85.0 | Feb. 7, 1941 | 83.92 | Oct. 4 | 83.97 |
| Apr. 16, 1940 | 85.0 | Mar. 21 | 83.90 | Dec. 1 | 83.98 |

21/26-3H1. Sivert Andersen. NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 21 N., R. 26 E. Beneath dismantled windmill tower, about 75 feet east of unpainted farm house, near southwest corner of apple orchard. Unused drilled domestic well, diameter 6 inches, depth reported 195 feet, open-bottom steel casing. Measuring point, top of pump head, 2.9 feet above land surface, 1,284 feet above preliminary sea-level datum. Bench mark (1) top of concrete base beneath pump head, even with land surface, 1,281.08 feet above preliminary sea-level datum. Local datum, 1,100 feet above preliminary sea-level datum. Taps water in basalt. Water level affected by pumping in 2 irrigation wells located 0.25 mile north, and 0.50 mile south.

Water level, in feet above a local datum, 1939-41

| | | | | | |
|---------------|------|---------------|-------|--------------|-------|
| Mar. 30, 1939 | 41.9 | Aug. 28, 1940 | 34.84 | June 8, 1941 | 40.77 |
| Sept. 6 | 34.3 | Dec. 12 | 41.90 | Aug. 10 | 40.97 |
| Dec. 20 | 41.5 | Feb. 7, 1941 | 42.49 | Oct. 5 | 44.76 |
| Apr. 17, 1940 | 41.3 | Mar. 23 | 42.82 | Dec. 1 | 47.14 |

21/28-34A1. Arabella E. Bunnell. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 21 N., R. 28 E. By trail, 0.13 mile west of Neppel-Stratford county road, one mile north of Gloyd siding, about 50 feet south of faint trail on north line of section 34. Unused drilled irrigation well, diameter 12 inches, depth 118 feet, open-bottom steel casing. Measuring point, top of casing, 1.0 foot above land surface, 1,266 feet above preliminary sea-level datum. Local datum, 1,100 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation.

Water level, in feet above a local datum, 1939-41

| | | | | | |
|---------------|------|---------------|-------|--------------|-------|
| Mar. 20, 1939 | 69.6 | Aug. 26, 1940 | 70.68 | June 9, 1941 | 71.08 |
| Aug. 7 | 70.1 | Dec. 11 | 70.26 | Aug. 10 | 71.29 |
| Dec. 19 | 70.0 | Feb. 7, 1941 | 70.88 | Oct. 5 | 71.29 |
| Apr. 17, 1940 | 71.0 | Mar. 21 | 70.85 | Dec. 1 | 71.33 |

21/30-9P1. Owner unknown. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 21 N., R. 30 E. About 30 feet east of abandoned farm house, 30 feet north of fence line. Unused drilled domestic well, diameter 6 inches, depth 376 feet, open-bottom steel casing. Measuring point, top of casing, 0.15 foot above land surface, 1,648 feet above preliminary sea-level datum. Local datum, 1,400 feet above preliminary sea-level datum. Taps water in basalt. Water level influenced principally by precipitation.

Water level, in feet above a local datum, 1939-41

| | | | | | |
|---------------|------|---------------|-------|--------------|-------|
| Apr. 4, 1939 | 46.0 | Aug. 26, 1940 | 45.83 | June 9, 1941 | 45.86 |
| Aug. 7 | 47.0 | Dec. 11 | 45.13 | Aug. 10 | 45.92 |
| Dec. 18 | 45.8 | Feb. 7, 1941 | 45.70 | Oct. 4 | 45.91 |
| Apr. 12, 1940 | 46.7 | Mar. 21 | 45.88 | Dec. 1 | 46.02 |

Grant County--Continued.

22/28-3R1. Riley Parsons. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 22 N., R. 28 E. At windmill tower, about 150 feet south-southeast from Stratford school, at tee intersection of county road and Adrian-Stratford county highway. Dug stock and irrigation well, 48 inches square, depth 110 feet, open-bottom timber curb, lift pump and turbine pump. Measuring point, center of USGS nail and washer on west side of 6 by 6-inch timber, west side of well, even with land surface, 1,254 feet above preliminary sea-level datum. Local datum, 1,100 feet above preliminary sea-level datum. Taps water in glacial outwash gravel. Water level fluctuates in response to infiltration from floods of upper Crab Creek.

Water level, in feet above a local datum, 1939-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Mar. 18, 1939 | 52.3 | Aug. 26, 1940 | 54.56 | June 9, 1941 | 60.32 |
| Aug. 7 | 56.0 | Dec. 11 | 50.95 | Aug. 10 | 56.74 |
| Dec. 18 | 50.8 | Feb. 7, 1941 | 58.98 | Oct. 5 | 53.83 |
| Apr. 12, 1940 | 60.4 | Mar. 21 | 62.53 | Dec. 1 | 52.05 |

22/30-18M1. Owner unknown. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 22 N., R. 30 E. About 50 feet south of abandoned gravel pit, 75 feet east of county road. Unused dug stock well, diameter 24 inches, depth 20 feet, open-bottom concrete curb, hand-operated lift pump. Measuring point, top of concrete collar at chiseled arrow, north side of well, even with land surface, 1,346 feet above preliminary sea-level datum. Local datum, 1,500 feet above preliminary sea-level datum. Taps water in glacial outwash gravel. Water level fluctuates in response to infiltration from runoff in nearby coulee.

Water level, in feet above a local datum, 1939-41

| | | | | | |
|---------------|-------|---------------|-------|--------------|-------|
| Mar. 18, 1939 | 28.0 | Mar. 21, 1941 | 29.19 | Oct. 4, 1941 | 28.90 |
| Dec. 11, 1940 | 28.87 | June 9 | 28.94 | Dec. 1 | 28.91 |
| Feb. 7, 1941 | 29.65 | Aug. 10 | 28.91 | | |

Spokane County

25/42-13B1. Washington Water Power Co. well 90. Empire Ice and Shingle Co. Local datum, 1,652.97 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------|-------------|----------|-------------|-----------|-------------|-----------|-------------|
| Feb. 4 a | 41.75 | May 2 | 42.18 | Aug. 8 a | 38.60 | Nov. 10 a | 38.96 |
| Mar. 5 a | 41.70 | June 4 a | 42.20 | Sept. 4 a | 38.40 | Dec. 3 a | 39.42 |
| 27 | 42.21 | July 3 a | 41.08 | Oct. 7 a | 38.26 | | |

25/43-11G1. Owner's well 1. City of Spokane, Water Division. Local datum, 1,800 feet above city datum and 1,783.44 feet above sea-level datum of 1929. Except as indicated by footnote, water levels are from float-gage readings by city Water Division, ordinarily at 8:00 a.m. Water level depressed somewhat by continuous withdrawal from adjacent wells.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|--------|-------|---------|-------|--------|-------|---------|-------|
| Jan. 6 | 91.35 | Mar. 17 | 93.90 | May 26 | 94.10 | Aug. 4 | 90.44 |
| 13 | 91.58 | 23 | 92.89 | June 2 | 95.21 | 7 b | 89.76 |
| 20 | 94.74 | 27 b | 92.66 | 4 b | 95.72 | 11 | 89.85 |
| 27 | 94.63 | 31 | 91.95 | 9 | 94.21 | 18 | 89.77 |
| Feb. 3 | 94.75 | Apr. 7 | 95.59 | 16 | 92.70 | 25 | 89.64 |
| 4 b | 94.08 | 14 | 92.70 | 23 | 90.37 | Sept. 2 | 89.85 |
| 10 | 92.98 | 21 | 91.08 | 30 | 92.88 | 8 | 90.26 |
| 17 | 93.75 | 28 | 90.81 | July 7 | 89.77 | 15 | 90.29 |
| 24 | 92.22 | May 5 | 94.71 | 14 | 86.37 | 22 | 90.60 |
| Mar. 3 | 92.47 | 12 | 92.87 | 21 | 89.39 | 29 | 90.75 |
| 10 | 95.77 | 19 | 98.46 | 28 | 89.70 | Oct. 6 | 90.99 |

a Pumping operating in well.

b Measurement by Geological Survey.

Spokane County--Continued.

25/43-11G1.--Continued.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|--------|-------------|---------|-------------|
| Oct. 8 | a 90.73 | Nov. 3 | 90.91 | Dec. 1 | 91.45 | Dec. 15 | 94.54 |
| 13 | 90.92 | 10 | 91.27 | 3 | a 93.78 | 22 | 97.97 |
| 20 | 91.15 | 17 | 93.83 | 8 | 97.85 | 29 | 98.25 |
| 27 | 90.87 | 24 | 93.99 | | | | |

25/43-11G2. Owner's well 2. City of Spokane, Water Division. Local datum, 1,800 feet above city datum and 1,783.44 feet above sea-level datum of 1929. Except as indicated by footnote, water levels are from float-gage readings by city Water Division, ordinarily at 8:00 a.m. Water level depressed somewhat by continuous withdrawal from adjacent wells.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Jan. 6 | 91.27 | Apr. 7 | 95.52 | July 14 | 89.57 | Oct. 8 | a 90.68 |
| 13 | 91.53 | 14 | 92.65 | 21 | 89.36 | 13 | 90.85 |
| 20 | 94.71 | 21 | 90.98 | 28 | 89.66 | 20 | 91.03 |
| 27 | 94.60 | 28 | 90.76 | Aug. 4 | 90.35 | 27 | 90.79 |
| Feb. 3 | 94.66 | May 5 | 94.66 | 7 | a 89.72 | Nov. 3 | 90.85 |
| 4 | a 94.01 | 12 | 92.67 | 11 | 89.81 | 10 | 91.29 |
| 10 | 92.89 | 19 | 98.44 | 18 | 89.76 | 17 | 93.80 |
| 17 | 93.65 | 26 | 94.07 | 25 | 89.61 | 24 | 93.93 |
| 24 | 92.15 | June 2 | 95.18 | Sept. 2 | 89.77 | Dec. 1 | 91.39 |
| Mar. 3 | 92.35 | 4 | a 95.71 | 8 | 90.16 | 3 | a 93.68 |
| 10 | 95.17 | 9 | 94.10 | 15 | 90.18 | 8 | 97.69 |
| 17 | 93.88 | 16 | 92.63 | 22 | 90.53 | 15 | 94.44 |
| 24 | 92.83 | 23 | 90.40 | 29 | 90.67 | 22 | 97.95 |
| 27 | a 92.57 | 30 | 92.86 | Oct. 6 | 90.90 | 29 | 98.17 |
| 31 | 91.89 | July 7 | 89.75 | | | | |

25/43-11G3. Owner's well 3. City of Spokane, Water Division. Local datum, 1,800 feet above city datum and 1,783.44 feet above sea-level datum of 1929. Except as indicated by footnote, water levels are from float-gage readings by city Water Division, ordinarily at 8:00 a.m. Water level depressed somewhat by continuous withdrawal from adjacent wells.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Jan. 6 | 91.39 | Apr. 7 | 95.65 | July 14 | 89.68 | Oct. 8 | a 90.79 |
| 13 | 91.64 | 14 | 92.76 | 21 | 89.47 | 13 | 90.96 |
| 20 | 94.80 | 21 | 91.12 | 28 | 89.77 | 20 | 91.14 |
| 27 | 94.69 | 28 | 90.89 | Aug. 4 | 90.46 | 27 | 90.90 |
| Feb. 3 | 94.85 | May 5 | 94.76 | 7 | a 89.83 | Nov. 3 | 90.96 |
| 4 | a 94.14 | 12 | 92.96 | 11 | 89.92 | 10 | 91.30 |
| 10 | 93.00 | 19 | 98.54 | 18 | 89.84 | 17 | 93.91 |
| 17 | 93.77 | 26 | 94.20 | 25 | 89.71 | 24 | 94.04 |
| 24 | 92.26 | June 2 | 95.30 | Sept. 2 | 89.88 | Dec. 1 | 91.50 |
| Mar. 3 | 92.49 | 4 | a 95.81 | 8 | 90.28 | 3 | a 93.79 |
| 10 | 95.30 | 9 | 94.26 | 15 | 90.31 | 8 | 97.88 |
| 17 | 93.96 | 16 | 92.74 | 22 | 90.64 | 15 | 94.55 |
| 24 | 92.94 | 23 | 90.49 | 29 | 90.80 | 22 | 98.06 |
| 27 | a 92.70 | 30 | 92.96 | Oct. 6 | 91.03 | 29 | 98.28 |
| 31 | 91.98 | July 7 | 89.86 | | | | |

25/43-11G4. Owner's well 4. City of Spokane, Water Division. Local datum, 1,800 feet above city datum and 1,783.44 feet above sea-level datum of 1929. Water level depressed moderately by continuous withdrawal from this well or adjacent wells, or both.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|
| Feb. 4 | 93.58 | June 4 | 94.68 | Oct. 8 | 89.71 |
| Mar. 27 | 91.64 | Aug. 7 | 88.03 | Dec. 3 | 92.57 |

a Measurement by Geological Survey.

Spokane County--Continued.

25/43-11G5. Owner's well 5. City of Spokane, Water Division. Local datum, 1,800 feet above city datum and 1,783.44 feet above sea-level datum of 1929. Water level depressed moderately by continuous withdrawal from this well or adjacent wells, or both.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|
| Feb. 4 | 93.56 | June 4 | 94.72 | Oct. 8 | 89.77 |
| Mar. 27 | 91.73 | Aug. 7 | 87.19 | Dec. 3 | 92.66 |

25/43-11G6. Owner's "gage-well" 1. City of Spokane, Water Division. Local datum, 1,800 feet above city datum and 1,783.44 feet above sea-level datum of 1929. Water level usually depressed somewhat by continuous withdrawal from adjacent wells. Corrections: Water level Oct. 16, 1939, 91.72 feet; Dec. 27, 1940, 95.78 feet.

Daily noon water level, in feet above a local datum, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 96.63 | 95.89 | 93.51 | 94.14 | 94.73 | 96.75 | 93.11 | 91.10 | 91.38 | 92.28 | 92.30 | 93.37 |
| 2 | 96.35 | 95.84 | 93.69 | 94.57 | 95.97 | 96.67 | 92.32 | 91.11 | 91.26 | 92.11 | 92.68 | 93.07 |
| 3 | 95.42 | 95.63 | 93.50 | 95.83 | 96.24 | 97.07 | 92.33 | 91.89 | 91.35 | 92.34 | 92.64 | 94.81 |
| 4 | 92.87 | 95.47 | 95.06 | 96.64 | 96.86 | 97.15 | 92.62 | 91.80 | 91.36 | 92.36 | 92.15 | 96.20 |
| 5 | 92.43 | 94.37 | 95.69 | 96.64 | 95.93 | 96.82 | 92.21 | 91.29 | 91.26 | 92.22 | 92.80 | 97.71 |
| 6 | 92.86 | 94.50 | 96.04 | 96.54 | 95.81 | 96.71 | 92.04 | 91.25 | 91.25 | 92.30 | 92.65 | 98.07 |
| 7 | 93.58 | 94.28 | 96.26 | 96.49 | 96.03 | 95.73 | 91.33 | ..... | 91.31 | 92.19 | 92.78 | 98.22 |
| 8 | 93.65 | 94.43 | 96.14 | 96.33 | 95.76 | 95.74 | 92.15 | 91.34 | 91.40 | 92.15 | 92.52 | 98.43 |
| 9 | 93.19 | 94.40 | 96.38 | 95.25 | 95.88 | 95.64 | 91.70 | 91.28 | 91.60 | 92.26 | 92.54 | 98.27 |
| 10 | 92.84 | 94.34 | 96.28 | 93.55 | 95.09 | 95.39 | 91.23 | 91.48 | 91.71 | 92.40 | 92.56 | 98.18 |
| 11 | 92.68 | 94.43 | 96.17 | 94.55 | 94.50 | 95.25 | 91.31 | 91.31 | 91.76 | 92.37 | 92.47 | 97.94 |
| 12 | 92.69 | 94.41 | 95.88 | 94.60 | 94.42 | 93.29 | 91.24 | 91.68 | 91.81 | 92.50 | 92.65 | 97.88 |
| 13 | 92.86 | 94.29 | 95.40 | 95.39 | 94.51 | 93.43 | 91.29 | 91.64 | 91.33 | 92.19 | 92.74 | 96.73 |
| 14 | 92.96 | 94.76 | 95.30 | 94.15 | 95.79 | 94.67 | 91.13 | 91.53 | 91.27 | 91.89 | 92.89 | 96.59 |
| 15 | 93.07 | 94.81 | 95.44 | 93.75 | 95.76 | 94.83 | 91.10 | 91.27 | 91.53 | 92.13 | 92.53 | 95.85 |
| 16 | 93.00 | 94.63 | 95.55 | 93.73 | 95.56 | 94.15 | 91.01 | 91.29 | 91.65 | 92.07 | 93.20 | 95.79 |
| 17 | 92.95 | 94.85 | 95.32 | 93.79 | 96.56 | 94.36 | 90.89 | 91.32 | 91.57 | 92.04 | 95.66 | 95.57 |
| 18 | 93.05 | 94.67 | 94.27 | 92.94 | 97.59 | 93.85 | 91.03 | 91.27 | 91.39 | 92.50 | 95.72 | 96.33 |
| 19 | 95.12 | 94.62 | 94.34 | 93.02 | 99.29 | 93.01 | 90.80 | 91.26 | 92.00 | 92.36 | 96.00 | 96.94 |
| 20 | 95.67 | 94.13 | 94.35 | 92.73 | 99.54 | 92.52 | 91.14 | 91.31 | 91.99 | 92.26 | 96.11 | 98.47 |
| 21 | 95.82 | 94.37 | 94.34 | 92.73 | 99.64 | 92.68 | 90.88 | 91.21 | 92.09 | 92.61 | 95.89 | 98.75 |
| 22 | 95.88 | 93.32 | 94.28 | 92.50 | 98.21 | 92.42 | 90.84 | 91.36 | 91.95 | 92.14 | 95.45 | 98.94 |
| 23 | 96.02 | 93.31 | 94.21 | 92.78 | 96.22 | 92.12 | ..... | 91.57 | 91.17 | 92.21 | 95.40 | 99.39 |
| 24 | 95.98 | 93.56 | 94.14 | 92.45 | 96.94 | 92.98 | ..... | 91.60 | 91.89 | 92.34 | 95.17 | 99.45 |
| 25 | 95.81 | 93.64 | 94.17 | 92.17 | 96.01 | 93.65 | ..... | 91.18 | 92.20 | 92.26 | 94.66 | 99.84 |
| 26 | 96.01 | 93.47 | 94.20 | 91.80 | 95.77 | 93.21 | 90.65 | 91.51 | 92.13 | 92.15 | 93.13 | 99.65 |
| 27 | 95.93 | 93.67 | 94.08 | 92.32 | 94.09 | 91.96 | 90.94 | 91.62 | 92.22 | 92.23 | 93.14 | 99.54 |
| 28 | 96.21 | 93.62 | 93.33 | 92.59 | 95.26 | 92.21 | 90.99 | 91.19 | 92.16 | 92.37 | 93.07 | 99.17 |
| 29 | 95.97 | ..... | 93.50 | 93.82 | 93.81 | 94.30 | 91.08 | 91.41 | 92.14 | 92.37 | 92.98 | 99.14 |
| 30 | 96.03 | ..... | 93.31 | 93.50 | 93.40 | 94.34 | 90.87 | 91.24 | 92.10 | 92.59 | 93.40 | 98.78 |
| 31 | 95.92 | ..... | 93.23 | ..... | 94.82 | ..... | 90.84 | 91.01 | ..... | 92.28 | ..... | 97.86 |

25/43-11K1. Owner's "gage well" 2. City of Spokane, Water Division. Local datum, 1,800 feet above city datum and 1,783.44 feet above sea-level datum of 1929. Water level usually depressed slightly by continuous withdrawal from adjacent wells.

Daily noon water level, in feet above a local datum, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 97.21 | 96.70 | 96.78 | 95.21 | 95.53 | 97.19 | ..... | ..... | 92.60 | 93.39 | 93.68 | ..... |
| 2 | 96.78 | 96.65 | 96.84 | 95.48 | 95.56 | 97.24 | ..... | ..... | 92.63 | 93.37 | 93.67 | ..... |
| 3 | 96.27 | 96.60 | 96.75 | 96.45 | 96.76 | 97.79 | ..... | ..... | 92.64 | 93.44 | 93.68 | ..... |
| 4 | 94.18 | 96.36 | 95.76 | 96.86 | 97.19 | 97.80 | ..... | ..... | 92.66 | 93.42 | 93.50 | ..... |
| 5 | 93.81 | 95.85 | 95.18 | 97.07 | 96.63 | 97.84 | ..... | ..... | 92.64 | 93.43 | 93.70 | ..... |
| 6 | 93.96 | 95.86 | 94.74 | 97.15 | 96.62 | ..... | ..... | 92.79 | 92.65 | 93.42 | 93.65 | ..... |

a At 5:04 p.m.

Spokane County--Continued.

25/43-11K.--Continued.

Daily noon water level, in feet above a local datum, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 7 | 94.63 | 95.97 | 94.64 | 97.18 | 96.69 | ..... | ..... | 92.80 | 92.60 | 93.43 | 93.67 | ..... |
| 8 | 94.57 | 95.95 | 94.59 | 96.85 | 96.57 | ..... | ..... | 92.86 | 92.73 | 93.41 | 93.59 | ..... |
| 9 | 94.22 | 96.02 | 94.54 | 96.22 | 96.58 | ..... | ..... | 92.83 | 92.83 | 93.41 | 93.59 | ..... |
| 10 | 93.85 | 96.07 | 94.49 | 95.00 | 96.08 | ..... | ..... | 92.84 | 93.01 | 93.49 | 93.62 | ..... |
| 11 | 93.75 | 95.98 | 94.50 | 95.66 | 95.65 | ..... | ..... | 92.86 | 93.04 | 93.43 | 93.56 | ..... |
| 12 | 93.72 | 96.02 | 94.69 | 95.66 | 95.55 | ..... | ..... | 92.94 | 93.07 | 93.46 | 93.67 | ..... |
| 13 | 93.92 | 96.05 | 95.05 | 96.17 | 95.52 | ..... | ..... | 93.10 | 92.73 | 93.38 | 93.69 | ..... |
| 14 | 93.95 | 95.74 | 95.12 | 95.50 | 96.45 | ..... | ..... | 93.12 | 92.69 | 93.18 | 93.74 | ..... |
| 15 | 93.96 | 95.80 | 95.15 | 95.07 | 96.53 | ..... | ..... | 92.80 | 92.87 | 93.26 | 93.62 | ..... |
| 16 | 93.91 | 95.79 | 95.14 | 95.03 | 96.22 | ..... | ..... | 92.71 | 92.69 | 93.23 | 94.00 | ..... |
| 17 | 93.91 | 95.78 | 95.19 | 95.04 | 97.00 | ..... | ..... | 92.73 | 92.83 | 93.22 | 94.92 | ..... |
| 18 | 94.06 | 95.85 | 95.62 | 94.40 | 98.06 | ..... | ..... | 92.79 | 92.78 | 93.45 | ..... | 96.92 |
| 19 | 95.83 | 95.86 | 95.44 | 94.36 | 99.49 | ..... | ..... | 92.68 | 93.14 | 93.36 | ..... | 97.61 |
| 20 | 96.38 | 96.03 | 95.45 | 94.21 | 99.81 | ..... | ..... | 92.81 | 93.22 | 93.41 | ..... | ..... |
| 21 | 96.54 | 96.13 | 95.48 | 94.06 | 99.87 | ..... | ..... | 92.75 | 93.22 | 93.41 | ..... | ..... |
| 22 | 96.61 | 96.34 | 95.41 | 94.11 | 98.89 | ..... | ..... | 92.71 | 93.21 | 93.34 | ..... | ..... |
| 23 | 96.66 | 96.58 | 95.41 | 94.19 | 97.43 | ..... | ..... | 92.82 | 93.27 | 93.32 | ..... | ..... |
| 24 | 96.66 | 96.67 | 95.29 | 93.95 | 97.88 | ..... | ..... | 92.82 | 93.18 | 93.49 | ..... | ..... |
| 25 | 96.63 | 96.74 | 95.30 | 93.75 | 97.19 | ..... | ..... | 92.79 | 93.32 | 93.37 | ..... | ..... |
| 26 | 96.70 | 96.73 | 95.29 | 93.58 | 96.93 | ..... | ..... | 92.80 | 93.35 | 93.37 | ..... | ..... |
| 27 | 96.72 | 96.80 | 95.27 | 93.65 | 96.91 | ..... | ..... | 92.85 | 93.34 | 93.39 | ..... | ..... |
| 28 | 96.82 | 96.81 | 94.63 | 93.97 | 96.37 | ..... | ..... | 92.58 | 93.38 | 93.51 | ..... | ..... |
| 29 | 96.78 | ..... | 94.60 | 94.85 | 95.30 | ..... | ..... | 92.58 | 93.36 | 93.49 | ..... | ..... |
| 30 | 96.80 | ..... | 94.52 | 95.04 | 94.83 | ..... | ..... | 92.52 | 93.35 | 93.55 | ..... | ..... |
| 31 | 96.73 | ..... | 94.47 | ..... | 95.74 | ..... | ..... | 92.46 | ..... | 93.36 | ..... | ..... |

25/43-14K1. Washington Water Power Co. well 3. Ohio Match Co. Local datum, 1,795.66 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| Feb. 4 | 85.62 | May 2 | b 85.04 | Aug. 6 | 82.57 | Nov. 7 | b 83.34 |
| Mar. 5 | b 85.04 | June 6 | 86.73 | Oct. 8 | 83.01 | Dec. 4 | 84.69 |
| 27 | 84.78 | July 3 | b 84.29 | | | | |

25/43-17D1. Washington Water Power Co. well 88. New Method Laundry. Local datum, 1,796.36 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|---------|-------------|
| Feb. 4 | b 64.72 | May 2 | b 63.95 | Aug. 6 | 63.14 | Nov. 10 | b 62.68 |
| Mar. 5 | b 64.16 | June 4 | 65.35 | Sept. 4 | b 63.00 | Dec. 3 | b 63.72 |
| 27 | 64.32 | July 3 | b 64.15 | Oct. 7 | b 63.14 | | |

25/44-2B1. Washington Water Power Co. well 49. Trentwood Irrigation District. Local datum, 1,896.54 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Feb. 6 | b 38.11 | May 1 | 38.08 | Aug. 7 | b 36.87 | Nov. 7 | 36.77 |
| Mar. 3 | b 37.74 | June 4 | b 40.32 | Sept. 3 | b 37.26 | Dec. 4 | 37.26 |
| 26 | b 37.94 | July 3 | 39.74 | Oct. 8 | b 36.11 | | |

25/44-15E1. Washington Water Power Co. well 15. Modern Electric Water Co. well 5. Local datum, 1,895.47 feet above sea-level datum of 1929. One or more of three pumps operating in well at time of each measurement.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Feb. 4 | 23.22 | May 2 | 23.68 | Aug. 6 | 15.94 | Nov. 7 | 21.33 |
| Mar. 5 | 23.20 | June 4 | 24.50 | Sept. 4 | 21.72 | Dec. 4 | 21.35 |
| 26 | 23.11 | July 3 | 23.64 | Oct. 8 | 21.23 | | |

a At 5:00 p.m.

b Pump operating in well.

Spokane County--Continued.

25/44-19D1. Washington Water Power Co. well 5. Edgecliff Sanitarium. Local datum, 1,806.87 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|--------|-------------|
| Feb. 4 | a 84.58 | May 2 | a 83.70 | Aug. 8 | 82.10 | Nov. 7 | 82.57 |
| Mar. 5 | 83.89 | June 4 | 85.60 | Sept. 4 | 83.15 | Dec. 4 | 83.17 |
| 27 | 84.15 | July 2 | a 86.78 | Oct. 8 | a 82.21 | | |

25/44-21J1. Washington Water Power Co. well 17. Modern Electric Water Co. well 3. Measuring point (5) destroyed. Measuring point (6), used since May 2, 1941, is edge of new concrete curb, 0.51 foot above measuring point (5), 126.43 feet above local datum, and 2,022.29 feet above sea-level datum of 1929. Local datum, 1,895.86 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|---------|---------|--------|---------|---------|-------|---------|-------|
| Feb. 6 | 24.59 | June 4 | 25.62 | Sept. 4 | 22.56 | Nov. 10 | 22.73 |
| Mar. 26 | 24.72 | July 2 | 25.12 | Oct. 8 | 22.64 | Dec. 4 | 23.12 |
| May 2 | a 19.36 | Aug. 7 | a 18.18 | | | | |

25/44-23D1. Lewis A. Lewis. Local datum, 1,900.00 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|--------|-------|--------|---------|---------|---------|--------|-------|
| Feb. 5 | 26.87 | May 2 | a 25.84 | Aug. 6 | a 24.00 | Nov. 7 | 24.96 |
| Mar. 5 | 26.82 | June 4 | 28.16 | Sept. 3 | 25.16 | Dec. 6 | 26.02 |
| 26 | 26.74 | July 2 | 27.08 | Oct. 8 | 24.82 | | |

25/45-10C1. Washington Water Power Co. well 41. W. C. Lielman. Local datum, 1,895.23 feet above sea-level datum of 1929. Correction: Water level, Oct. 9, 1939, 59.31 feet.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|--------|-------|--------|-------|---------|-------|--------|-------|
| Feb. 5 | 59.95 | May 1 | 59.43 | Aug. 7 | 59.65 | Nov. 7 | 57.71 |
| Mar. 3 | 64.31 | June 5 | 62.29 | Sept. 3 | 59.67 | Dec. 6 | 63.37 |
| 26 | 59.43 | July 2 | 61.08 | Oct. 8 | 58.26 | 31 | 66.11 |

25/45-16C1. Washington Water Power Co. well 38. Inland Empire Paper Co. Local datum, 1,895.47 feet above sea-level datum of 1929.

Daily noon water level, in feet above a local datum, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 52.40 | 53.39 | 53.18 | 53.11 | 52.96 | 55.25 | 54.96 | 53.41 | 53.31 | 52.37 | 51.52 | 51.92 |
| 2 | 52.51 | 53.46 | 53.13 | 53.08 | 53.07 | 55.31 | 54.94 | 53.39 | 53.31 | 52.34 | 51.52 | 51.87 |
| 3 | 52.59 | 53.52 | 53.09 | 53.10 | 53.18 | 55.37 | 54.90 | 53.38 | 53.29 | 52.32 | 51.51 | 51.87 |
| 4 | 52.58 | 53.57 | 53.09 | 53.18 | 53.29 | 55.44 | 54.89 | 53.38 | 53.28 | 52.28 | 51.50 | 51.95 |
| 5 | 52.51 | 53.58 | 53.15 | 53.24 | 53.40 | 55.52 | 54.84 | 53.37 | 53.27 | 52.26 | 51.49 | 52.19 |
| 6 | 52.42 | 53.60 | 53.23 | 53.30 | 53.48 | 55.57 | 54.80 | 53.37 | 53.25 | 52.24 | 51.47 | 52.39 |
| 7 | 52.37 | 53.58 | 53.32 | 53.35 | 53.55 | 55.60 | 54.75 | 53.36 | 53.22 | 52.21 | 51.45 | 52.61 |
| 8 | 52.36 | 53.57 | 53.40 | 53.40 | 53.39 | 55.62 | 54.68 | 53.37 | 53.19 | 52.19 | 51.44 | 52.78 |
| 9 | 52.35 | 53.57 | 53.47 | 53.42 | 53.67 | 55.64 | 54.63 | 53.37 | 53.17 | 52.13 | 51.41 | 52.94 |
| 10 | 52.30 | 53.56 | 53.53 | 53.40 | 53.72 | 55.65 | 54.56 | 53.37 | 53.15 | 52.11 | 51.39 | 53.05 |
| 11 | 52.24 | 53.56 | 53.59 | 53.35 | 53.77 | 55.66 | 54.49 | 53.37 | 53.14 | 52.09 | 51.38 | 52.16 |
| 12 | 52.18 | 53.55 | 53.66 | 53.33 | 53.82 | 55.65 | 54.42 | 53.36 | 53.13 | 52.06 | 51.36 | 53.26 |
| 13 | 52.13 | 53.54 | 53.67 | 53.33 | 53.86 | 55.59 | 54.34 | 53.36 | 53.11 | 52.03 | 51.35 | 53.30 |
| 14 | 52.09 | 53.56 | 53.69 | 53.33 | 53.91 | 55.56 | 54.27 | 53.38 | 53.07 | 52.00 | 51.33 | 53.31 |
| 15 | 52.06 | 53.59 | 53.70 | 53.32 | 53.99 | 55.55 | 54.20 | 53.40 | 53.03 | 51.97 | 51.31 | 53.31 |
| 16 | 52.04 | 53.61 | 53.70 | 53.31 | 54.07 | 55.53 | 54.13 | 53.40 | 53.00 | 51.93 | 51.29 | 53.28 |
| 17 | 52.01 | 53.63 | 53.70 | 53.28 | 54.16 | 55.52 | 54.07 | 53.38 | 52.94 | 51.90 | 51.38 | 53.25 |
| 18 | 51.99 | 53.64 | 53.69 | 53.25 | 54.32 | 55.50 | 54.01 | 53.37 | 52.88 | 51.87 | 51.56 | 53.24 |
| 19 | 52.05 | 53.64 | 53.65 | 53.22 | 54.56 | 55.48 | 53.95 | 53.36 | 52.80 | 51.84 | 51.63 | 53.28 |
| 20 | 52.20 | 53.62 | 53.60 | 53.16 | 54.81 | 55.42 | 53.90 | 53.36 | 52.74 | 51.80 | 51.78 | 53.38 |
| 21 | 52.35 | 53.60 | 53.56 | 53.11 | 55.02 | 55.35 | 53.84 | 53.35 | 52.69 | 51.76 | 51.99 | 53.49 |
| 22 | 52.48 | 53.55 | 53.53 | 53.07 | 55.16 | 55.27 | 53.78 | 53.35 | 52.66 | 51.71 | 52.07 | 53.62 |

a Pump operating in well.

Spokane County--Continued.

25/45-16C1.--Continued.

Daily noon water level, in feet above a local datum, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 23 | 52.60 | 53.50 | 53.48 | 53.05 | 55.24 | 55.18 | 53.73 | 53.34 | 52.62 | 51.71 | 52.12 | 53.75 |
| 24 | 52.70 | 53.45 | 53.45 | 53.03 | 55.29 | 55.12 | 53.68 | 53.34 | 52.55 | 51.69 | 52.19 | 53.88 |
| 25 | 52.80 | 53.39 | 53.42 | 53.00 | 55.34 | 55.08 | 53.63 | 53.34 | 52.54 | 51.64 | 52.22 | 54.00 |
| 26 | 52.88 | 53.34 | 53.40 | 52.96 | 55.46 | 55.04 | 53.57 | 53.34 | 52.51 | 51.63 | 52.19 | 54.11 |
| 27 | 52.97 | 53.28 | 53.37 | 52.92 | 55.38 | 55.01 | 53.52 | 53.34 | 52.48 | 51.62 | 52.14 | 54.20 |
| 28 | 53.06 | 53.22 | 53.34 | 52.88 | 55.39 | 54.94 | 53.48 | 53.34 | 52.45 | 51.61 | 52.08 | 54.27 |
| 29 | 53.16 | ..... | 53.27 | 52.88 | 55.36 | 54.90 | 53.46 | 53.34 | 52.43 | 51.59 | 52.03 | 54.32 |
| 30 | 53.26 | ..... | 53.20 | 52.90 | 55.30 | 54.93 | 53.44 | 53.34 | 52.40 | 51.57 | 51.95 | 54.35 |
| 31 | 53.32 | ..... | 53.15 | ..... | 55.24 | ..... | 53.42 | 53.33 | ..... | 51.56 | ..... | 54.38 |

25/45-18A1. Washington Water Power Co. well 40. O. B. Nilson. Local datum, 1,897.13 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|---------|-------------|
| Feb. 6 | 43.40 | May 2 | 47.80 | Aug. 7 | 47.72 | Nov. 10 | 46.16 |
| Mar. 5 | 47.94 | June 5 | 50.24 | Oct. 10 | 46.67 | Dec. 6 | 47.21 |
| 26 | 43.12 | | | | | | |

26/43-19A1. County Homes Estates. Local datum, 1,750.00 feet above sea-level datum of 1929. Correction: Footnote (c) should precede water level of Mar. 23, 1940.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|--------|---------|--------|---------|---------|---------|---------|---------|
| Feb. 4 | a 48.41 | May 2 | a 49.24 | Aug. 6 | a 46.95 | Nov. 10 | 48.61 |
| Mar. 5 | a 48.96 | June 4 | 49.29 | Sept. 4 | a 48.96 | Dec. 3 | a 48.28 |
| 27 | a 48.82 | July 3 | 47.66 | Oct. 7 | a 47.33 | | |

26/43-34P1. Washington Water Power Co. well 80. Great Northern Railway Co. Local datum, 1,801.86 feet above sea-level datum of 1929. Measurements on Feb. 4, June 6, Aug. 6, and Dec. 3 by Geological Survey; others by owner with chain gage.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|---------|---------|--------|---------|---------|---------|---------|---------|
| Jan. 18 | 56.1 | May 19 | 57.4 | Aug. 1 | 55.9 | Oct. 11 | 55.5 |
| 28 | 56.1 | 24 | 57.4 | 6 | a 54.77 | 18 | 55.5 |
| Feb. 4 | a 56.97 | 31 | 57.4 | 9 | 55.9 | 25 | 55.5 |
| 8 | 57.4 | June 6 | a 57.20 | 15 | 55.7 | Nov. 1 | 55.5 |
| Mar. 5 | 57.5 | 6 | 58.4 | 22 | 55.6 | 11 | 55.9 |
| 15 | 57.5 | 14 | 58.4 | 30 | 55.6 | 21 | 56.0 |
| Apr. 1 | 57.5 | 21 | 58.4 | Sept. 9 | 55.6 | 29 | 56.3 |
| 8 | 57.5 | 28 | 59.0 | 13 | 55.6 | Dec. 3 | a 55.23 |
| 18 | 57.5 | July 5 | 58.4 | 20 | 55.5 | 6 | 56.3 |
| 26 | 57.5 | 12 | 56.4 | 27 | 55.5 | 20 | 56.3 |
| May 3 | 57.5 | 19 | 56.4 | Oct. 4 | 55.5 | 27 | 56.3 |
| 12 | 57.0 | 26 | 56.4 | | | | |

26/44-32R1. Washington Water Power Co. well 46. Hutton Settlement. Local datum, 1,849.84 feet above sea-level datum of 1929.

Water level, in feet above a local datum, 1941

| | | | | | | | |
|--------|-------|--------|---------|---------|---------|---------|-------|
| Feb. 4 | 52.91 | May 1 | a 50.42 | Aug. 7 | a 50.57 | Nov. 10 | 51.50 |
| Mar. 5 | 53.29 | June 4 | 54.86 | Sept. 3 | a 50.64 | Dec. 4 | 51.66 |
| 26 | 53.15 | July 3 | 55.06 | Oct. 8 | 51.75 | | |

a Pump operating in well.

Whitman County

Water levels in water-table wells

14/45-11N2. Formerly 23A. Federal Geological Survey.

Water level, in feet above an assumed datum, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|--------|-------------|
| Mar. 28 | 12.05 | Aug. 9 | 9.89 | Dec. 5 | 10.80 |
| June 3 | 11.98 | Oct. 10 | 9.72 | | |

Wells on the Soil Erosion Experiment Station farm
at Pullman, Washington

Water levels, in feet above sea level minus 2000, 1941

| Date | 3N | 2N | 1N | 1E | 3E | 4E | 5E |
|---------|--------|--------|--------|--------|--------|--------|--------|
| Jan. 4 | 497.70 | 502.93 | 509.84 | 510.74 | 526.24 | 527.07 | 531.56 |
| 11 | 497.72 | 503.28 | 509.78 | 510.62 | 526.48 | 526.78 | 525.85 |
| 18 | 497.75 | 505.05 | 509.80 | 510.69 | 524.59 | 526.75 | 525.11 |
| 25 | 498.06 | 509.16 | 514.08 | 512.08 | 529.89 | 530.02 | 540.17 |
| Feb. 1 | 499.43 | 508.53 | 517.32 | 512.11 | 531.86 | 529.88 | 540.34 |
| 8 | 499.76 | 508.22 | 513.85 | 512.43 | 531.73 | 530.01 | 539.01 |
| 15 | 498.98 | 507.37 | 513.17 | 511.76 | 529.72 | 528.71 | 534.04 |
| 21 | 499.13 | 507.11 | 512.18 | 511.97 | 529.17 | 528.84 | 530.62 |
| 28 | 499.29 | 507.17 | 512.81 | 512.28 | 528.48 | 528.93 | 528.25 |
| Mar. 8 | 499.31 | 507.35 | 513.46 | 512.22 | 529.39 | 528.46 | 535.41 |
| 15 | 499.50 | 506.83 | 512.23 | 512.50 | 529.89 | 528.92 | 533.44 |
| 24 | 499.48 | 506.51 | 511.97 | 512.56 | 528.58 | 528.53 | 526.86 |
| Apr. 5 | 499.56 | 506.42 | 511.99 | 512.70 | 527.59 | 528.63 | 526.41 |
| 12 | 499.48 | 506.95 | 511.96 | 512.65 | 526.93 | 528.51 | 525.92 |
| 19 | 500.51 | 507.53 | 512.90 | 513.63 | 528.87 | 529.40 | 532.67 |
| 26 | 499.58 | 506.26 | 511.91 | 512.75 | 528.68 | 528.41 | 526.88 |
| May 3 | 499.53 | 506.10 | 511.85 | 512.67 | 526.36 | 528.40 | 526.29 |
| 19 | 499.29 | 506.68 | 511.41 | 512.35 | 524.56 | 527.83 | 526.79 |
| June 7 | 499.33 | 505.72 | 511.54 | 512.40 | 524.53 | 528.00 | 526.02 |
| 21 | 500.16 | 505.23 | 511.33 | 513.30 | 525.15 | 528.62 | 526.98 |
| July 19 | 500.32 | 505.80 | 512.11 | 512.84 | 524.78 | 528.35 | 526.67 |
| Sept. 6 | 499.24 | 505.31 | 511.70 | 512.70 | 524.13 | 527.79 | 526.28 |
| Oct. 18 | 498.93 | 504.93 | 511.54 | 512.48 | 522.87 | 527.50 | 526.07 |
| Nov. 17 | 498.75 | 504.88 | 511.35 | 512.36 | 523.70 | 527.29 | 525.98 |
| Dec. 6 | 498.63 | 504.54 | 511.21 | 512.15 | 523.47 | 527.10 | 525.92 |
| 20 | 498.64 | 504.83 | 511.15 | 512.15 | 523.45 | 527.10 | 525.96 |
| 27 | 498.65 | 504.91 | 511.10 | 512.09 | 523.37 | 527.00 | 525.97 |

Water levels, in feet above sea level minus 2000, 1941

| Date | 1S | 2S | 3S | 4S | 5S |
|--------|--------|--------|--------|--------|--------|
| Jan. 4 | 509.16 | 507.23 | 501.98 | 496.74 | 502.26 |
| 11 | 509.13 | 507.21 | 501.91 | 497.09 | 502.42 |
| 18 | 509.10 | 507.79 | 502.11 | 498.39 | 502.79 |
| 25 | 510.53 | 508.66 | 505.49 | 499.22 | 507.47 |
| Feb. 1 | 511.03 | 509.29 | 506.69 | 498.67 | 507.16 |
| 8 | 511.44 | 509.30 | 506.10 | 498.66 | 506.98 |
| 15 | 511.12 | 508.47 | 504.51 | 497.42 | 506.33 |
| 21 | 510.88 | 508.73 | 504.07 | 497.77 | 506.23 |
| 28 | 511.04 | 508.90 | 503.56 | 498.19 | 506.40 |
| Mar. 8 | 510.96 | 508.77 | 503.40 | 497.84 | 506.18 |
| 15 | 511.23 | 509.09 | 503.77 | 497.57 | 505.65 |
| 24 | 511.12 | 508.98 | 503.25 | 497.92 | 505.14 |
| Apr. 5 | 511.23 | 509.17 | 503.06 | 497.88 | 504.77 |
| 12 | 511.03 | 509.39 | 502.37 | 498.12 | 504.73 |
| 19 | 512.06 | 509.97 | 503.81 | 498.52 | 504.92 |
| 26 | 511.16 | 509.08 | 503.14 | 497.37 | 502.88 |
| May 3 | 511.10 | 509.24 | 502.68 | 496.98 | 502.68 |
| 19 | 510.67 | 508.62 | 502.35 | 497.43 | 502.37 |
| June 7 | 510.86 | 508.84 | 502.50 | 497.37 | 501.95 |

Whitman County--Continued.

Water levels, in feet above sea level minus 2000, 1941

| Date | 1S | 2S | 3S | 4S | 5S |
|---------|--------|--------|--------|--------|--------|
| June 21 | 511.62 | 508.57 | 503.26 | 497.50 | 502.59 |
| July 19 | 511.38 | 509.38 | 503.07 | 496.68 | 502.27 |
| Sept. 6 | 511.06 | 509.05 | 502.93 | 495.93 | 501.89 |
| Oct. 18 | 510.87 | 508.91 | 502.92 | 496.03 | 501.60 |
| Nov. 17 | 510.70 | 508.77 | 502.97 | 496.62 | 501.55 |
| Dec. 6 | 510.53 | 508.55 | 502.82 | 497.72 | 501.70 |
| 20 | 510.52 | 508.59 | 503.01 | 498.86 | 502.50 |
| 27 | 510.45 | 508.48 | 502.96 | 497.87 | 503.14 |

Water levels in wells that tap confined (artesian) water

14/45-4N1. J. T. Graham, Pullman, Washington.

Water level, in feet above mean sea level minus 2000, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|--------|-------------|
| Mar. 28 | 339.72 | Aug. 9 | 338.88 | Dec. 5 | 339.06 |
| June 3 | 339.50 | Oct. 10 | 339.03 | | |

14/45-5B1. Washington State College well 1, Pullman, Washington.

Water level, in feet above mean sea level minus 2000, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|--------|-------------|
| Mar. 28 | 337.97 | Aug. 9 | 337.11 | Dec. 5 | 337.23 |
| June 3 | 337.80 | Oct. 10 | 337.26 | | |

14/45-5D2. Standard Lumber Co., Pullman, Washington.

Water level, in feet above mean sea level minus 2000, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|--------|-------------|
| Mar. 28 | 338.02 | Aug. 9 | 337.06 | Dec. 5 | 337.37 |
| June 4 | 337.81 | Oct. 10 | 337.30 | | |

WYOMING

LARAMIE COUNTY

By F. C. Foley

The ground-water investigation begun in the Pine Bluffs-Egbert area in November 1940,^{1/} by the Federal Geological Survey in cooperation with the Wyoming State Planning and Water Conservation Board was continued during 1941. In June 1941, the city of Cheyenne entered into an agreement with the Federal Geological Survey through the State Planning and Water Conservation Board and as a result the cooperative investigation was enlarged to include an area extending from the vicinity of Cheyenne westward to the mountain front, about at the Laramie County-Albany County line, and from the Wyoming-Colorado State line northward to the divide between Crow and Lodgepole Creeks. In November 1940, a brief investigation of the ground-water supply for the city of Chenesne was made by C. V. Theis, R. C. Cady, and T. W. Robinson. In June 1941, the writer was assigned to the Wyoming investigations and the work was carried on by him and, during the summer, by T. W. Robinson. From January to May measurements of water levels in the Pine Bluffs-Egbert area were made by N. B. Bennett, Jr., Engineer-Secretary of the Wyoming State Planning and Water Conservation Board.

The investigations in Wyoming during 1941 were confined to the southern part of Laramie County and water-level measurements were made in connection with them. A State-wide program of observation wells has not yet been established.

In the Pine Bluffs-Egbert area all the irrigation wells derive their water supply from the Brule clay where it is exposed at the surface. The Brule is overlain in adjacent areas by beds of sand, gravel, clay, and limestone which, in Laramie County west of Pine Bluffs, have been called

^{1/} See Water-Supply Paper 910, pp. 180-184.

the Harrison or Arikaree formation, and have been regarded to be of Miocene age.^{2/} Investigation during 1941 indicates that these beds are Pliocene in age and are to be correlated with the beds of the Ogallala formation that cap the bluff north and south of Pine Bluffs. Miocene beds are believed to be absent in the southern part of Laramie County.

The city of Cheyenne lies on the Great Plains, about 18 to 20 miles east of the front of the Laramie Mountains. The slope of the surface eastward from the mountain front toward Cheyenne averages about 60 feet to the mile. Eastward from Cheyenne to Pine Bluffs the general slope averages only about 25 feet to the mile.

Most of the main valleys in the area are consequent while some of the tributaries are subsequent. Many of the main valleys that are consequent in their upper reaches turn abruptly southward and become subsequent. Crow Creek has formed the largest valley in the Cheyenne area. It rises in the mountains and flows eastward through Cheyenne. In the vicinity of Carpenter it turns southward and crosses the State line into Colorado. The area southwest of Cheyenne and south of the Union Pacific Railroad is drained by Lonetree, Goose, and Duck Creeks, which flow almost due eastward from the mountains to an area about 8 miles southwest of Cheyenne where Goose and Duck Creeks join Lonetree Creek as it turns abruptly southward and flows into Colorado along the base of a west-facing escarpment.

Along the mountain front west of Cheyenne steeply-dipping beds of Paleozoic and Mesozoic age outcrop in a narrow belt and lie on the pre-Cambrian core of the Laramie Mountains to the west. The Paleozoic and Mesozoic rocks dip eastward under a mantle of Tertiary rocks that dip gently eastward. The dip of the underlying formations decreases rapidly a short distance east of the mountain front. In the area between the Union Pacific Railroad and the Colorado-Wyoming State line the Tertiary beds cover the Paleozoic and Mesozoic rocks in most places and overlap directly on the pre-Cambrian core of the mountains.

^{2/} Darton, N. H., Blackwelder, Eliot, Siebenthal, C. E., U. S. Geol. Survey Geol. Atlas, Laramie-Sherman Folio (no. 173), 1910.

Meinzer, O. E., Ground water for irrigation in Lodgepole Valley, Wyoming and Nebraska: U. S. Geol. Survey Water-Supply Paper 425-B, 1917.

Knight, S. H. and Morgan, A. M., Report on the underground water resources of Crow Creek Valley, Laramie County, Wyoming: Geol. Survey of Wyoming.

The Tertiary formations include the Chadron, Brule and Ogallala, with the Ogallala formation (formerly called here the Arikaree) underlying most of the upland surface.

The Chadron sandstone where it is exposed in the valley of Crow Creek close to the mountain front, consists mostly of cemented, arkosic gravel. Well logs indicate that its character changes toward the east, where it becomes largely fine clayey sand. It has not proved to be a good aquifer.

The Brule clay is largely a pale buff, compact formation composed mostly of volcanic ash but with beds of gravel in some places. Where it has been exposed by erosion, fractures have been formed in some places and these make it an excellent aquifer.

The Ogallala formation consists of interbedded lenses of gravel, sand, and clay. It is the source of the water in most of the wells in the Cheyenne area. East of a general north-south line about 6 miles west of Cheyenne it yields water in rather small quantities, but west of that line it produces large quantities in some places.

The valley of Crow Creek has removed the Ogallala and exposed the Brule west of a point about 2 miles east of Silver Crown and possibly considerably farther east. The Brule is also exposed in an area around Warrenton, southwest of Cheyenne, in the vicinity of Carpenter, and in the Pine Bluffs-Egbert area.

In the Pine Bluffs-Egbert area 31 observation wells were included in the program at the end of 1941. During the summer of 1941 an inventory of irrigation wells was made in cooperation with the Rural Electrification Administration, but water-level measurements made in connection with the inventory are not included with this report. Measurements are made in the 31 wells once a month. Local conditions prevented measurement in a few wells on some visits. A total of 363 individual measurements were made in the Pine Bluffs-Egbert area during 1941. Automatic water-level recorders have been maintained on wells 2 and 3 since November 1940.

In the Cheyenne area water-level measurements were made in 49 wells and a total of 529 individual measurements were made. Three automatic water-level recorders were maintained during a part of 1941 on 6 wells.

In the Pine Bluffs-Egbert area the average water level in December 1941 was 0.75 foot higher than in December 1940. The accompanying figure shows graphically the average water level, by months, in the observation wells in that area. The maximum rise in each well occurred in June and is closely correlated with precipitation.

Water levels in those wells in the Pine Bluffs-Egbert area that derive their water from the Brule clay are affected by heavy pumping for irrigation. The maximum net change in water level in the area was 10.77 feet in well 20, and the average net change in 28 wells was 2.34 feet.

In the Cheyenne area measurements were made in several wells early in June and in the remainder measurements were made later in the summer.

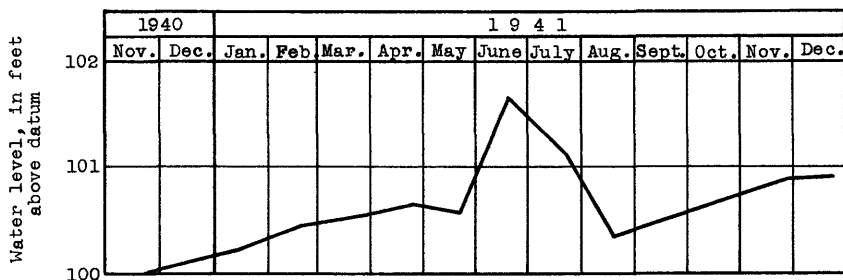


Figure 6.--Graph showing the average of water levels in 23 to 30 wells in the Pine Bluffs-Egbert Area, Wyo. The datum planes are 100 feet below the water levels in November 1940.

These are the first measurements made in the Cheyenne area with the exception of a few measurements in wells 101, 102, and 103 in November 1940. Comparison between water levels in 1940 and 1941 in the Cheyenne area can be made only in well 103, in which the water level on September 25, 1941, the last measurement before continuous pumping started, was 1.49 feet above that on November 15, 1940. A number of wells reached a peak in June while in some others the rise continued into July.

During 1941 precipitation was more than normal in most of Laramie County, as it was for the State as a whole. At the end of 1941 eight Weather Bureau stations were in operation in Laramie County, but normals are available for only four of them. The annual precipitation was well above normal at three of these stations. Pine Bluffs was one of the few

stations in Wyoming that was below normal. May was a month of deficient precipitation at all stations but June had a great excess at all stations. The following table shows precipitation and departure from normal at four stations in Laramie County in May and June and for 1941 as a whole.

Precipitation and departure from normal at four stations in Laramie County during 1941

| Station | May | | June | | 1941 | |
|--------------------|---------------|-----------|---------------|-----------|---------------|-----------|
| | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure |
| Archer | 1.98 | -0.34 | 6.76 | +4.89 | 20.51 | +7.32 |
| Cheyenne (Airport) | .68 | -1.75 | 4.66 | +3.05 | 18.96 | +3.97 |
| Hecla | 1.38 | -1.16 | 3.40 | +1.59 | 19.09 | +2.19 |
| Pine Bluffs | 1.58 | -.84 | 6.29 | +4.26 | 15.44 | -.87 |

In 1940 Pine Bluffs was 5.22 inches below normal but Archer, Cheyenne, and Hecla were 0.26, 0.03, and 0.11 inches above normal respectively.

Data on total consumption of water were not available at the time of preparation of this report. Measurements of pump yields were made on 24 irrigation wells in the Pine Bluffs area during 1941. The smallest yield measured was 210 gallons a minute and the maximum was 1,465 gallons a minute; 7 wells yielded over 1,000 gallons a minute. There were 5,225 acres under irrigation in the area ^{3/} in 1941, almost all of which was irrigated with ground water. At the end of 1941 the city of Cheyenne was pumping 7 wells continuously and the aggregate yield was about 1,600 gallons a minute.

The measurements of water levels made in Laramie County during 1941 are given on the following pages. Complete descriptions are given only for those wells not included in Water-Supply Paper 910. Wells in the Pine Bluffs-Egbert area are numbered from 1 to 100, and those in the Cheyenne area from 100 up. All water-level measurements are given in feet below the measuring point.

1. W. T. Young, Jr. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 13 N., R. 60 W. Elevation of measuring point 5,284.45 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 38.42 | Apr. 22 | 37.75 | July 21 | 37.95 | Oct. 20 | 38.73 |
| Feb. 18 | 38.19 | May 22 | 37.79 | Aug. 20 | 42.31 | Nov. 28 | 38.55 |
| Mar. 21 | 38.06 | June 20 | 37.36 | Sept. 26 | 39.27 | Dec. 23 | 38.20 |

^{3/} Data from Laramie County Agricultural Agent.

a Irrigation well pumping 0.1 mile west.

2. C. E. Kaser. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 14 N., R. 61 W. Elevation of measuring point 5,258.26 feet above mean sea level.

Daily noon water level, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 1 | 45.12 | 45.12 | 45.12 | 45.17 | 45.16 | 45.12 | 43.48 | 44.74 | 45.71 | 44.06 | 44.00 | 44.06 |
| 2 | 45.12 | 45.11 | 45.12 | 45.17 | 45.16 | 45.13 | 43.36 | 44.85 | 45.88 | 44.06 | 44.00 | 44.05 |
| 3 | 45.11 | 45.11 | 45.14 | 45.18 | 45.16 | 45.13 | 43.78 | 44.68 | 45.44 | 44.04 | 44.01 | 44.04 |
| 4 | 45.11 | 45.11 | 45.15 | 45.19 | 45.15 | 45.59 | 43.43 | 44.81 | 45.85 | 44.02 | 44.01 | 44.05 |
| 5 | 45.11 | 45.11 | 45.13 | 45.17 | 45.15 | 45.34 | 43.35 | 44.89a | 45.54 | 44.02 | 44.01 | 44.09 |
| 6 | 45.11 | 45.11 | 45.15 | 45.17 | 45.14 | 45.25 | 43.31 | 44.84 | 45.57 | 44.02 | 44.01 | 44.07 |
| 7 | 45.10 | 45.11 | 45.15 | 45.18 | 45.14 | 45.19 | 43.69 | 44.85 | 45.39 | 44.02 | 44.02 | 44.08 |
| 8 | 45.11 | 45.11 | 45.15 | 45.18 | 45.14 | 45.11 | 43.95 | 44.91 | 44.68 | 44.02 | 44.01 | 44.07 |
| 9 | 45.11 | 45.11 | 45.19 | 45.17 | 45.15 | 45.06 | 44.05 | 44.50 | 44.34 | 44.03 | 44.00 | 44.08 |
| 10 | 45.11 | 45.12 | 45.19 | 45.15 | 45.15 | 44.93 | 44.08 | 44.54 | 44.25 | 44.02 | 44.02 | 44.08 |
| 11 | 45.11 | 45.11 | 45.20 | 45.17 | 45.14 | 44.70 | 44.21 | 44.85 | 44.18 | 44.02 | 44.01 | 44.07 |
| 12 | 45.11 | 45.10 | 45.20 | 45.16 | 45.14 | 44.41 | 44.25 | 44.90 | 44.14 | 44.00 | 44.00 | 44.09 |
| 13 | 45.10 | 45.13 | 45.19 | 45.17 | 45.14 | 44.15 | 43.74 | 44.94 | 44.11 | 44.02 | 44.01 | 44.09 |
| 14 | 45.09 | 45.13 | 45.19 | 45.17 | 45.13 | 43.94 | 44.09 | 45.04 | 44.09 | 44.03 | 44.00 | 44.09 |
| 15 | 45.09 | 45.12 | 45.19 | 45.17 | 45.14 | 43.78 | 44.13 | 44.58 | 44.07 | 44.03 | 44.00 | 44.09 |
| 16 | 45.10 | 45.13 | 45.19 | 45.19 | 43.14 | 43.66 | 44.29 | 44.35 | 44.58 | 44.00 | 43.99 | 44.09 |
| 17 | 45.10 | 45.13 | 45.18 | 45.19 | 45.14 | 43.56 | 44.32 | 44.25 | 44.66 | 44.00 | 43.99 | 44.09 |
| 18 | 45.08 | 45.13 | 45.18 | 45.19 | 45.13 | 43.48 | 44.31 | 44.50 | 44.70 | 44.00 | 44.00 | 44.10 |
| 19 | 45.10 | 45.13 | 45.18 | 45.19 | 45.14 | 43.43 | 43.98 | 44.68 | 44.74 | 43.99 | 44.02 | 44.12 |
| 20 | 45.10 | 45.14 | 45.18 | 45.20 | 45.14 | 43.39 | 43.83 | 45.79 | 45.59 | 44.00 | 44.02 | 44.10 |
| 21 | 45.10 | 45.13 | 45.18 | 45.20 | 45.14 | 43.37 | 44.10 | 45.78 | 44.47 | 44.01 | 44.02 | 44.09 |
| 22 | 45.10 | 45.13 | 45.18 | 45.19 | 45.16 | 43.33 | 44.33 | 45.72 | 44.33 | 44.00 | 44.03 | 44.12 |
| 23 | 45.10 | 45.13 | 45.17 | 45.18 | 45.14 | 43.30 | 44.08 | 45.76 | 44.25 | 44.02 | 44.04 | 44.11 |
| 24 | 45.10 | 45.14 | 45.19 | 45.18 | 45.13 | 43.34 | 44.34 | 45.37 | 44.21 | 44.01 | 44.03 | ..... |
| 25 | 45.10 | 45.14 | 45.18 | 45.17 | 45.12 | 43.39 | 44.43 | 45.62 | 44.18 | 43.99 | 44.04 | ..... |
| 26 | 45.11 | 45.15 | 45.18 | 45.17 | 45.12 | 43.78 | 44.59 | 45.82 | 44.15 | 44.00 | 44.05 | ..... |
| 27 | 45.12 | 45.13 | 45.19 | 45.17 | 45.12 | 43.39 | 44.20 | 45.81 | 44.13 | 44.01 | 44.05 | ..... |
| 28 | 45.12 | 45.13 | 45.19 | 45.17 | 45.14 | 43.80 | 44.48 | 45.87 | 44.13 | 43.99 | 44.05 | ..... |
| 29 | 45.12 | ..... | 45.18 | 45.17 | 45.14 | 43.47 | 44.68 | 45.86 | 44.08 | 44.01 | 44.06 | ..... |
| 30 | 45.12 | ..... | 45.18 | 45.16 | 45.13 | 43.75 | 44.67 | 45.91 | 44.08 | 44.02 | 44.05 | ..... |
| 31 | 45.12 | ..... | 45.18 | ..... | 45.12 | ..... | 44.78 | 45.48 | ..... | 44.00 | ..... | 44.13 |

3. C. E. Kaser. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 14 N., R. 62 W. Elevation of measuring point 5,309.71 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 5.43 | Apr. 22 | 5.35 | July 21 | 4.47 | Oct. 20 | 4.60 |
| Feb. 18 | 5.29 | May 22 | 5.08 | Aug. 20 | 4.50 | Nov. 28 | 4.68 |
| Mar. 21 | 5.30 | June 20 | 4.29 | Sept. 26 | 4.65 | Dec. 23 | 4.76 |

4. Bert Tucker. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 14 N., R. 61 W. Elevation of measuring point 5,294.02 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 16 | 25.50 | Apr. 22 | 25.64 | Aug. 20 | 24.60 | Nov. 28 | 25.00 |
| Feb. 18 | 25.49 | May 22 | 25.69 | Oct. 20 | 24.88 | Dec. 23 | 25.10 |
| Mar. 21 | 25.61 | June 20 | 24.24 | | | | |

5. Union Pacific Railroad. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 14 N., R. 62 W. Elevation of measuring point, 5,287.82 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 30.64 | Apr. 22 | 30.72 | July 21 | 29.61 | Oct. 20 | 30.02 |
| Feb. 18 | 30.67 | May 22 | 30.72 | Aug. 20 | 30.64 | Nov. 28 | 30.01 |
| Mar. 21 | 30.71 | June 20 | 29.71 | Sept. 26 | 29.85 | Dec. 23 | 30.05 |

a Irrigation well 550 feet north pumping.

b 5.56 inches of rain June 4 to June 10 at Pine Bluffs.

6. ----- NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 14N., R. 61 W. Elevation of measuring point 5,264.98 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 26.34 | Apr. 22 | 26.19 | July 21 | 24.81 | Oct. 20 | 25.53 |
| Feb. 18 | 26.19 | May 22 | 26.12 | Aug. 20 | 25.19 | Nov. 28 | 25.60 |
| Mar. 21 | 26.21 | June 20 | 24.75 | Sept. 26 | 25.45 | Dec. 23 | 25.65 |

8. Victor Sundin. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 15 N., R. 60 W. Elevation of measuring point 5,215.99 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 88.00 | Apr. 22 | 88.10 | July 21 | 87.68 | Oct. 20 | 87.46 |
| Feb. 18 | 88.08 | May 22 | 88.08 | Aug. 20 | 87.62 | Nov. 28 | 87.39 |
| Mar. 21 | 88.14 | June 20 | 88.00 | Sept. 26 | 87.60 | Dec. 23 | 87.36 |

9. ----- NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 13 N., R. 60 W. Elevation of measuring point 5,157.48 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 13.64 | Apr. 22 | 10.15 | July 21 | 12.73 | Oct. 20 | 13.73 |
| Feb. 18 | 12.52 | May 22 | 11.61 | Aug. 20 | 13.88 | Nov. 28 | 12.73 |
| Mar. 21 | 11.84 | June 20 | 10.59 | Sept. 26 | 13.25 | Dec. 23 | 12.18 |

10. Johnson. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 13 N., R. 61 W. Elevation of measuring point 5,331.28 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 48.70 | Apr. 22 | 48.69 | July 21 | 48.63 | Oct. 20 | 48.59 |
| Feb. 18 | 48.68 | May 22 | 48.62 | Aug. 20 | 48.60 | Nov. 28 | 48.57 |
| Mar. 21 | 48.67 | June 20 | 48.67 | Sept. 26 | 48.57 | Dec. 23 | 48.55 |

11. ----- SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 13 N., R. 61 W. Elevation of measuring point, 5,261.92 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 40.32 | Apr. 22 | 40.31 | July 21 | 40.24 | Oct. 20 | 40.23 |
| Feb. 18 | 40.30 | May 22 | 40.39 | Aug. 20 | 40.22 | Nov. 28 | 40.25 |
| Mar. 21 | 40.33 | June 20 | 40.31 | Sept. 26 | 40.21 | Dec. 23 | 40.23 |

12. Kelley. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 13 N., R. 61 W. Elevation of measuring point 5,162.94 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|------|----------|------|---------|------|
| Jan. 16 | 2.70 | Apr. 22 | 0.98 | July 21 | 4.21 | Oct. 20 | 6.04 |
| Feb. 18 | 1.79 | May 22 | 1.87 | Aug. 20 | 7.22 | Nov. 28 | 3.29 |
| Mar. 21 | 1.20 | June 20 | 1.42 | Sept. 26 | 7.18 | Dec. 23 | 2.62 |

13. Mrs. Ellison. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 14 N., R. 60 W. Elevation of measuring point 5,037.59 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 17.39 | Apr. 22 | 16.86 | July 21 | 16.26 | Oct. 20 | 17.59 |
| Feb. 18 | 17.27 | May 22 | 16.86 | Aug. 20 | 17.43 | Nov. 28 | 17.36 |
| Mar. 21 | 17.08 | June 20 | 15.07 | Sept. 26 | 17.62 | Dec. 23 | 17.18 |

14. J. D. Wasson. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 13 N., R. 61 W. Elevation of measuring point 5,251.55 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|------|----------|-------|---------|------|
| Jan. 16 | 9.43 | Apr. 22 | 8.23 | July 21 | 9.55 | Oct. 20 | 9.57 |
| Feb. 18 | 8.85 | May 22 | 8.80 | Aug. 20 | 10.13 | Nov. 28 | 9.20 |
| Mar. 21 | 8.69 | June 20 | 8.41 | Sept. 26 | 9.91 | Dec. 23 | 8.99 |

15. ----- NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 13 N., R. 61 W. Elevation of measuring point, 5,248.80 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 47.17 | Apr. 22 | 47.07 | July 21 | 46.96 | Oct. 20 | 46.91 |
| Feb. 18 | 47.05 | May 22 | 47.06 | Aug. 20 | 46.84 | Nov. 28 | 46.92 |
| Mar. 21 | 47.09 | June 20 | 46.19 | Sept. 26 | 46.89 | Dec. 23 | 46.93 |

16. ----- NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 12 N., R. 61 W. Elevation of measuring point 5,241.78 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 55.50 | May 22 | 55.56 | July 21 | 55.45 | Oct. 20 | 55.46 |
| Feb. 18 | 55.49 | June 6 | 55.49 | Aug. 20 | 55.45 | Nov. 28 | 55.44 |
| Mar. 21 | 55.50 | June 20 | 55.47 | Sept. 26 | 55.44 | Dec. 23 | 55.40 |
| Apr. 22 | 55.52 | | | | | | |

17. ----- SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 15 N., R. 60 W. Elevation of measuring point 5,113.74 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|------------|-------|-----------|-------|
| Jan. 16 | 70.16 | Apr. 22 | 72.74 | July 21 | 69.40 | Oct. 20 | 70.26 |
| Feb. 18 | 70.05 | June 6 | 74.20 | Aug. 20 a | 71.39 | Nov. 28 | 70.15 |
| Mar. 21 | 70.24 | 20 | 70.91 | Sept. 26 b | 73.64 | Dec. 23 c | 72.02 |

18. ----- NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 15 N., R. 60 W. Elevation of measuring point 5,112.97 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Feb. 18 | 45.43 | May 22 | 45.40 | Aug. 20 | 42.60 | Nov. 28 | 43.97 |
| Mar. 21 | 45.44 | June 20 | 40.61 | Sept. 26 | 43.61 | Dec. 23 | 43.99 |
| Apr. 22 | 45.43 | July 21 | 41.54 | Oct. 20 | 43.85 | | |

19. H. L. Wisroth. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 14 N., R. 60 W. Elevation of measuring point 5,073.86 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 11.28 | Apr. 22 | 10.96 | July 21 | 11.17 | Oct. 20 | 11.26 |
| Feb. 18 | 11.03 | May 22 | 10.96 | Aug. 20 | 13.00 | Nov. 28 | 10.96 |
| Mar. 21 | 10.96 | June 20 | 10.12 | Sept. 26 | 12.49 | Dec. 23 | 10.85 |

20. Herbert Campbell. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 13 N., R. 60 W. Elevation of measuring point 5,126.85 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 44.87 | Apr. 22 | 41.03 | June 20 | 34.10 | Oct. 20 | 43.27 |
| Feb. 18 | 44.66 | May 22 | 39.88 | July 21 | 37.75 | Nov. 28 | 43.44 |
| Mar. 21 | 43.82 | June 6 | 40.34 | Sept. 26 | 43.04 | Dec. 23 | 43.42 |

21. ----- NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 14 N., R. 60 W. Elevation of measuring point 5,141.10 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 29.67 | Apr. 22 | 29.65 | July 21 | 27.05 | Oct. 20 | 27.11 |
| Feb. 18 | 29.64 | May 22 | 29.58 | Aug. 20 | 27.18 | Nov. 28 | 27.01 |
| Mar. 21 | 29.64 | June 20 | 27.22 | Sept. 26 | 27.24 | Dec. 23 | 27.09 |

22. J. W. Minnick. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 14 N., R. 62 W. Elevation of measuring point 5,437.58 feet above mean sea level.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|----------|-------|---------|-------|
| Jan. 16 | 95.60 | May 22 | 95.69 | July 21 | 95.60 | Oct. 20 | 95.61 |
| Feb. 18 | 95.53 | June 13 | 95.60 | Aug. 20 | 95.60 | Nov. 28 | 95.59 |
| Mar. 21 | 95.59 | 20 | 95.62 | Sept. 26 | 95.54 | Dec. 23 | 95.55 |
| Apr. 22 | 95.64 | | | | | | |

a Irrigation well pumping 0.3 mile north.

b Windmill pumping.

c Pumped recently.

23. H. R. Eggers. Owner H. R. Eggers in Water-Supply Paper 910. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 14 N., R. 61 W. Elevation of measuring point 5,196.30 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 58.62 | Apr. 22 | 58.55 | July 21 | 58.34 | Oct. 20 | 58.25 |
| Feb. 18 | 58.58 | May 22 | 58.58 | Aug. 20 | 58.30 | Nov. 28 | 58.25 |
| Mar. 21 | 58.56 | June 20 | 58.45 | Sept. 26 | 58.24 | Dec. 23 | 58.22 |

24. Carl Bogle. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 14 N., R. 61 W. Elevation of measuring point 5,146.63 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 27.29 | Apr. 22 | 27.26 | Aug. 20 | 26.76 | Nov. 28 | 26.73 |
| Feb. 18 | 27.23 | May 22 | 27.29 | Sept. 26 | 26.71 | Dec. 23 | 26.76 |
| Mar. 21 | 27.24 | June 20 | 26.36 | Oct. 20 | 26.67 | | |

25. ----- SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 14 N., R. 61 W. Elevation of measuring point 5,178.20 feet above mean sea level. Well caved in after May 22, 1941; measurements discontinued.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|--------|-------------|
| Jan. 16 | 21.10 | Mar. 21 | 20.86 | May 22 | 20.60 |
| Feb. 18 | 20.98 | Apr. 22 | 20.70 | | |

26. Campbell. Owner Elmer Glantz in Water-Supply Paper 910. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 14 N., R. 60 W. Elevation of measuring point 5,093.21 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Jan. 16 | 25.40 | Apr. 22 | 25.29 | June 20 | 23.76 | Nov. 28 | 25.07 |
| Feb. 18 | 25.39 | May 22 | 25.05 | July 10 | 23.61 | Dec. 23 | 24.88 |
| Mar. 21 | 25.38 | June 6 | 25.27 | Oct. 20 | 25.37 | | |

27. Jim Dolan. Owner Kelley in Water-Supply Paper 910. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 13 N., R. 61 W. Elevation of measuring point 5,218.91 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|--------|-------------|---------|-------------|
| Jan. 16 | 19.00 | June 20 | 16.45 | Oct. 6 | 19.62 | Nov. 28 | 18.48 |
| Feb. 18 | 17.70 | Sept. 26 | 19.78 | 20 | 19.28 | Dec. 23 | 17.90 |
| May 22 | 16.83 | | | | | | |

28. J. M. Bastain. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 14 N., R. 62 W. Elevation of measuring point 5,288.55 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 8.34 | Apr. 22 | 7.65 | July 21 | 8.37 | Oct. 20 | 8.33 |
| Feb. 18 | 8.15 | May 22 | 8.32 | Aug. 20 | 8.90 | Nov. 28 | 7.75 |
| Mar. 21 | 8.03 | June 20 | 7.96 | Sept. 26 | 8.60 | Dec. 23 | 7.61 |

29. Odd White. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 12 N., R. 62 W. Elevation of measuring point 5,345.40 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|----------|-------------|---------|-------------|
| Jan. 16 | 54.41 | May 22 | 55.02 | July 21 | 54.56 | Oct. 20 | 54.55 |
| Feb. 18 | 54.44 | June 6 | 54.50 | Aug. 20 | 54.54 | Nov. 28 | 54.57 |
| Mar. 21 | 54.48 | 20 | 54.74 | Sept. 26 | 54.51 | Dec. 23 | 54.56 |
| Apr. 22 | 54.51 | | | | | | |

30. W. T. Young, Jr. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 15 N., R. 60 W. Elevation of measuring point 5,114.32 feet above mean sea level.

Daily noon water level, in feet below measuring point, 1941
(from recorder charts)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 47.75 | 47.64 | 47.57 | 47.54 | 47.59 | 47.63 | 46.51 | 46.72 | 47.87 | 47.18 | 46.76 | 46.79 |
| 2 | 47.74 | 47.64 | 47.55 | 47.56 | 47.58 | 47.64 | 46.45 | 46.92 | 47.77 | 47.15 | 46.75 | 46.74 |
| 3 | 47.71 | 47.64 | 47.57 | 47.57 | 47.60 | 47.64 | 46.40 | 47.05 | ..... | 47.13 | 46.75 | 46.69 |
| 4 | 47.72 | 47.63 | 47.59 | 47.58 | 47.59 | 47.63 | 46.35 | 47.15 | ..... | 47.10 | 46.78 | 46.66 |
| 5 | 47.71 | 47.60 | 47.57 | 47.56 | 47.59 | 47.62 | 46.30 | 47.18 | ..... | 47.08 | 46.76 | 46.68 |
| 6 | 47.71 | 47.61 | 47.59 | 47.56 | 47.60 | 47.63 | 46.25 | 47.12 | ..... | 47.07 | 46.78 | 46.64 |
| 7 | 47.71 | 47.60 | 47.59 | 47.58 | 47.59 | 47.63 | 46.21 | 47.02 | ..... | 47.07 | 46.81 | 46.65 |
| 8 | 47.73 | 47.60 | 47.57 | 47.59 | 47.60 | 47.62 | 46.23 | 46.93 | 47.75 | 47.06 | 46.81 | 46.63 |
| 9 | 47.73 | 47.58 | 47.58 | 47.58 | 47.62 | 47.62 | 46.22 | 46.82 | 47.77 | 47.06 | 46.80 | 46.62 |
| 10 | 47.71 | 47.59 | 47.58 | 47.56 | 47.62 | 47.64 | 46.18 | 46.66 | 47.80 | 47.03 | 46.81 | 46.61 |
| 11 | 47.70 | 47.56 | 47.58 | 47.58 | 47.62 | 47.64 | 46.17 | 46.64 | 47.81 | 47.02 | 46.81 | 46.57 |
| 12 | 47.68 | 47.55 | 47.60 | 47.57 | 47.61 | 47.62 | 46.20 | 46.73 | 47.81 | 47.00 | 46.84 | 46.58 |
| 13 | 47.68 | 47.60 | 47.59 | 47.55 | 47.60 | 47.59 | 46.23 | 46.83 | 47.81 | 46.98 | 46.92 | 46.58 |
| 14 | 47.65 | 47.59 | 47.56 | 47.59 | 47.60 | 47.55 | 46.28 | 46.96 | 47.81 | 46.99 | 46.98 | 46.57 |
| 15 | 47.64 | 47.58 | 47.56 | 47.58 | 47.62 | 47.50 | 46.28 | 47.08 | 47.82 | 46.99 | 47.04 | 46.57 |
| 16 | 47.65 | 47.58 | 47.57 | 47.56 | 47.62 | 47.45 | 46.25 | 47.18 | 47.82 | 46.96 | 47.09 | 46.55 |
| 17 | 47.66 | 47.59 | 47.57 | 47.56 | 47.62 | 47.39 | 46.29 | 47.26 | 47.80 | 46.92 | 47.10 | 46.54 |
| 18 | 47.65 | 47.58 | 47.54 | 47.56 | 47.60 | 47.33 | 46.34 | 47.33 | 47.75 | 46.91 | 47.11 | 46.53 |
| 19 | 47.65 | 47.58 | 47.54 | 47.56 | 47.62 | 47.27 | 46.30 | 47.38 | 47.68 | 46.89 | 47.14 | 46.54 |
| 20 | 47.65 | 47.59 | 47.54 | 47.58 | 47.64 | 47.21 | 46.25 | 47.46 | 47.63 | 46.89 | 47.16 | 46.53 |
| 21 | 47.65 | 47.59 | 47.57 | 47.58 | 47.64 | 47.15 | 46.21 | 47.55 | 47.54 | 46.89 | 47.15 | 46.51 |
| 22 | 47.64 | 47.59 | 47.57 | 47.58 | 47.64 | 47.09 | 46.18 | 47.61 | 47.50 | 46.88 | 47.15 | 46.50 |
| 23 | 47.64 | 47.59 | 47.56 | 47.59 | 47.64 | 47.04 | 46.16 | 47.73 | 47.43 | 46.90 | 47.13 | 46.50 |
| 24 | 47.64 | 47.59 | 47.58 | 47.58 | 47.64 | 46.96 | 46.18 | 47.85 | 47.40 | 46.88 | 47.08 | ..... |
| 25 | 47.63 | 47.58 | 47.58 | 47.58 | 47.64 | 46.89 | 46.18 | 47.88 | 47.36 | 46.85 | 47.02 | ..... |
| 26 | 47.63 | 47.60 | 47.58 | 47.57 | 47.64 | 46.83 | 46.23 | 47.90 | 47.31 | 46.82 | 46.99 | ..... |
| 27 | 47.67 | 47.59 | 47.58 | 47.58 | 47.64 | 46.75 | 46.25 | 47.90 | 47.28 | 46.83 | 46.94 | ..... |
| 28 | 47.66 | 47.58 | 47.59 | 47.59 | 47.64 | 46.68 | 46.26 | 47.90 | 47.28 | 46.80 | 46.89 | ..... |
| 29 | 47.64 | ..... | 47.56 | 47.60 | 47.65 | 46.61 | 46.29 | 47.90 | 47.23 | 46.81 | 46.86 | ..... |
| 30 | 47.65 | ..... | 47.56 | 47.59 | 47.64 | 46.55 | 46.37 | 47.90 | 47.22 | 46.81 | 46.82 | 46.49 |
| 31 | 47.64 | ..... | 47.57 | ..... | 47.64 | ..... | 46.49 | 47.92 | ..... | 46.78 | ..... | 46.48 |

31. ----- SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 14 N., R. 63 W. Unused drilled domestic well, diameter 5 inches. Measuring point, top of casing at southeast side, 0.9 foot above land surface and 5,497.90 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|--------|-------------|---------|-------------|
| June 27 | 62.72 | Aug. 20 | 62.79 | Oct. 7 | 62.80 | Nov. 28 | 62.78 |
| July 21 | 62.78 | Sept. 26 | 62.76 | 20 | 62.80 | Dec. 23 | 62.76 |

32. ----- SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 14 N., R. 63 W. Unused drilled domestic well, diameter 5 inches, depth 98.6 feet. Measuring point, top of casing at west side, 0.25 foot above land surface.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|---------|-------------|---------|-------------|
| June 19 | 79.65 | Aug. 20 | 79.67 | Oct. 20 | 79.67 | Dec. 23 | 79.64 |
| July 21 | 79.69 | Sept. 26 | 79.64 | Nov. 28 | 79.65 | | |

33. ----- NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 13 N., R. 62 W. Unused drilled domestic well, diameter $4\frac{1}{2}$ inches, depth 59.5 feet. Measuring point, top of 2-inch plank pump base, 0.2 foot above land surface and 5,434.40 feet above mean sea level.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|---------|-------------|---------|-------------|
| June 19 | 55.53 | Aug. 20 | 55.49 | Oct. 20 | 55.52 | Dec. 23 | 55.50 |
| July 21 | 55.43 | Sept. 26 | 55.49 | Nov. 28 | 55.51 | | |

101. Koppis No. 1. City of Cheyenne. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 14 N., R. 68 W. Drilled municipal well, diameter 10 inches, depth 233 feet. Measuring point, top of casing, 1.0 foot below land surface. Equipped with turbine pump. Water levels, in feet below measuring point, 1940: Nov. 11, a/ 20.02; Nov. 12, 20.60; Nov. 13, a/ 20.29; Nov. 14, 18.79.

102. Koppis No. 2. City of Cheyenne. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 14 N., R. 68 W. Drilled municipal well, diameter 10 inches, depth 250 feet. Measuring point, top of casing at south side, at land surface. Equipped with turbine pump.

Water level, in feet below measuring point, 1940

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|
| Nov. 11 | 29.81 | Nov. 13 | a 30.37 | Nov. 15 | c 34.20 |
| 12 | 30.11 | 14 | b 32.97 | | |

103. Eddy No. 1. City of Cheyenne. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 14 N., R. 68 W. Drilled municipal well, diameter 10 inches, depth 248 feet. Measuring point to June 16, 1941, top of casing, 0.2 foot above land surface and 6,389.35 feet above mean sea level. Measuring point since June 16, 1941, lowest point on auxiliary pipe through pump base, 1.3 feet above land surface and 6,390.49 feet above mean sea level. Equipped with turbine pump. Daily pumpage from well about 324,000 gallons.

Water level, in feet below measuring point, 1940-41

| | | | | | |
|---------------|---------|---------------|-------|---------------|---------|
| Nov. 11, 1940 | d 26.06 | July 17, 1941 | 27.42 | Oct. 23, 1941 | e 89.05 |
| 12 | 26.03 | 24 | 27.48 | 30 | 89.42 |
| 13 | d 25.93 | 31 | 27.54 | Nov. 6 | 89.52 |
| 14 | d 25.80 | Aug. 7 | 27.62 | 13 | 91.07 |
| 15 | d 25.91 | 14 | 27.61 | 27 | 89.69 |
| June 10, 1941 | 25.74 | 21 | 27.64 | Dec. 4 | 89.62 |
| 16 | 25.30 | 26 | 27.68 | 11 | 89.30 |
| 26 | 27.35 | Sept. 4 | 24.93 | 18 | 89.46 |
| July 3 | 27.51 | 11 | 27.54 | 31 | 89.87 |
| 10 | 27.54 | 25 | 28.82 | | |

104. Eddy No. 1a. City of Cheyenne. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 14 N., R. 68 W, 1,000 feet east of well 103. Unused drilled municipal test well, diameter 12 inches. Measuring point, top of casing at south side, 1.0 foot below land surface. Aug. 7, 1941, flowing 9.6 gallons per minute. Flowed until well 103 started pumping.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|---------|-------------|
| Oct. 16 | 7.28 | Nov. 6 | 7.86 | Dec. 4 | 8.57 | Dec. 18 | 8.85 |
| 23 | 7.64 | 13 | 8.25 | 11 | 8.80 | 31 | 9.32 |
| 30 | 7.75 | 27 | 8.47 | | | | |

107. Bailey No. 3. City of Cheyenne. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 14 N., R. 68 W. Drilled municipal well, diameter 10 inches, depth 220 feet. Measuring point to Nov. 15, 1940, top of casing, 2.0 feet above land surface. Measuring point since Nov. 15, 1940, lowest point on auxiliary pipe through pump base about 3 feet above land surface. Well pumping during all measurements in 1941. Equipped with turbine pump.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Nov. 11, 1940 | d 12.58 | Sept. 4, 1941 | 57.04 | Nov. 6, 1941 | 61.73 |
| 12 | 13.00 | 11 | 58.56 | 13 | 62.59 |
| 13 | d 12.69 | 18 | 58.34 | 27 | 63.19 |
| 14 | d 12.97 | 25 | 59.22 | Dec. 4 | 62.98 |
| 15 | d 13.45 | Oct. 2 | 59.14 | 11 | 63.18 |

- a Lowest of 2 measurements.
- b Lowest of 10 measurements.
- c Lowest of 13 measurements.
- d Lowest of several measurements.
- e Pumping on Oct. 23 and since.

107. Bailey No. 3.--Continued.

Water level, in feet below measuring point, 1940-41

| Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|
| Aug. 21, 1941 | 58.14 | Oct. 9, 1941 | 59.57 | Dec. 18, 1941 | 63.78 |
| 26 | 58.27 | 23 | 60.51 | 31 | 65.38 |
| 28 | 58.30 | 30 | 61.15 | | |

108. Bailey No. 3a. City of Cheyenne. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 14 N., R. 68 W., 140 feet southeast of well 107. Unused drilled municipal test well, diameter 10 inches. Measuring point, top of casing at north side, 0.7 foot above land surface. Flowed until well 107 started pumping. Water-stage recorder maintained on well since Sept. 11, 1941.

Daily high and low water levels, in feet below measuring point, 1941
(from recorder charts)

| Day | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|-------------|-------------|-------------|-------------|
| | | High Low | High Low | High Low | High Low |
| 1 | | | 16.57 16.65 | 16.96 17.01 | 17.22 17.28 |
| 2 | | | 16.59 16.67 | 16.88 16.97 | 17.21 17.28 |
| 3 | | | 14.36 16.67 | 16.93 16.99 | 17.08 17.21 |
| 4 | | a13.57 | 14.80 16.29 | 16.95 17.07 | 17.01 17.18 |
| 5 | | | 12.25 16.48 | 17.04 17.07 | 17.18 17.39 |
| 6 | | | 8.70 13.75 | 17.02 17.08 | 17.28 17.39 |
| 7 | | | 13.75 16.12 | 17.09 17.13 | 17.29 17.36 |
| 8 | | | 16.12 16.64 | 17.04 17.12 | 17.29 17.36 |
| 9 | | | 16.64 16.87 | 17.01 17.06 | 17.25 17.29 |
| 10 | | | 16.87 16.90 | 17.06 17.15 | 17.27 17.30 |
| 11 | | a16.63 | 16.90 16.92 | 17.09 17.15 | 17.24 17.29 |
| 12 | | 16.32 16.37 | 16.87 16.92 | 17.04 17.09 | 17.26 17.37 |
| 13 | | 16.37 16.46 | 16.86 16.98 | 17.04 17.14 | 17.34 17.38 |
| 14 | a15.78 | 16.46 16.54 | 16.98 17.06 | 17.10 17.14 | 17.32 17.37 |
| 15 | | 16.54 16.65 | 11.32 17.10 | 17.10 17.14 | 17.31 17.38 |
| 16 | | 16.65 16.74 | 13.28 16.05 | 17.03 17.13 | 17.33 17.38 |
| 17 | | 16.71 16.77 | 16.05 16.57 | 16.97 17.03 | 17.30 17.39 |
| 18 | | 16.60 16.72 | 16.57 16.75 | 16.96 17.09 | 17.34 17.42 |
| 19 | | 16.49 16.60 | 16.73 16.78 | 17.09 17.25 | 17.41 17.47 |
| 20 | | 16.44 16.49 | 16.78 16.89 | 17.20 17.26 | 17.36 17.48 |
| 21 | a16.57 | 16.46 16.64 | 16.87 16.90 | 17.15 17.24 | 17.28 17.37 |
| 22 | | 16.63 16.67 | 16.86 16.93 | 17.16 17.19 | 17.29 17.41 |
| 23 | | 16.56 16.64 | 16.91 16.96 | 17.19 17.23 | 17.34 17.41 |
| 24 | | 16.58 16.63 | 16.91 16.96 | 17.23 17.26 | 17.29 17.35 |
| 25 | | 16.63 16.65 | 16.76 16.91 | 17.23 17.27 | 17.31 17.47 |
| 26 | | 16.56 16.64 | 16.77 16.88 | 17.24 17.27 | 17.47 17.58 |
| 27 | | 16.56 16.66 | 16.88 16.99 | 17.23 17.27 | 17.55 17.58 |
| 28 | a16.25 | 16.66 16.74 | 16.90 16.98 | 17.19 17.25 | 17.51 17.58 |
| 29 | | 16.57 16.70 | 16.89 17.06 | 17.21 17.28 | 17.45 17.51 |
| 30 | | 16.63 16.69 | 17.05 17.09 | 17.20 17.28 | 17.44 17.49 |
| 31 | | | 17.01 17.06 | ..... | 17.44 17.52 |

109. City of Cheyenne. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 14 N., R. 68 W. Abandoned, drilled municipal test well, diameter about 16 inches. Measuring point, top of head of bolt driven in the north side of well, 1.0 foot below land surface. No casing in well.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|---------|-------------|
| Sept. 4 | 53.80 | Oct. 2 | 55.13 | Nov. 6 | 55.92 | Dec. 11 | 56.54 |
| 11 | 54.41 | 9 | 55.31 | 27 | 56.31 | 18 | 56.71 |
| 18 | 54.70 | 23 | 55.67 | Dec. 4 | 56.46 | 31 | 56.91 |
| 25 | 54.92 | 30 | 55.82 | | | | |

a Tape measurement before recorder installed.

111. Elkar No. 2. City of Cheyenne. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 14 N., R. 68 W. Unused drilled municipal well, diameter 10 inches. Measuring point, top of casing at northeast side, 0.65 foot above land surface. Affected by Holman municipal well 0.25 mile northeast. Water levels, in feet below measuring point, 1941: Sept. 12, 64.42; Oct. 16, 67.80; Oct. 30, 71.27.

112. Elkar No. 3. City of Cheyenne. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 14 N., R. 68 W. Drilled municipal well, diameter 12 inches, depth 368 feet. Measuring point to June 12, 1941, top of casing, 0.8 foot above land surface and 6,377.21 feet above mean sea level. Measuring point since June 12 and to Sept. 21, 1941, edge of hole in floor of recorder shelter, 1.2 feet above land surface and 6,377.61 feet above mean sea level. Measuring point since Sept. 21, 1941, lowest point on auxiliary pipe through pump base, 1.17 feet above land surface and 6,377.58 feet above mean sea level. Equipped with turbine pump since Oct. 2; not pumping during 1941. Water-level recorder maintained on well from June 13 to Sept. 21, 1941.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|--------|-------------|---------|-------------|---------|-------------|
| June 5 | 34.25 | July 9 | 34.60 | Aug. 8 | 34.57 | Sept. 5 | 34.51 |
| 10 | 33.47 | 10 | 34.58 | 9 | 34.54 | 6 | 34.32 |
| 12 | 33.38 | 11 | 34.55 | 10 | 34.51 | 7 | 34.31 |
| 13 a | 33.73 | 12 | 34.48 | 11 | 34.57 | 8 | 34.37 |
| 14 | 33.70 | 13 | 34.49 | 12 | 34.62 | 9 | 34.37 |
| 15 | 33.68 | 14 | 34.49 | 13 | 34.56 | 10 | 34.52 |
| 16 | 33.63 | 15 | 34.47 | 14 | 34.59 | 11 | 34.52 |
| 17 | 33.58 | 16 | 34.45 | 15 | 34.64 | 12 | 34.56 |
| 18 | 33.49 | 17 | 34.44 | 16 | 34.63 | 13 | 34.61 |
| 19 | 33.45 | 18 | 34.46 | 17 | 34.61 | 14 | 34.67 |
| 20 | 33.52 | 19 | 34.41 | 18 | 34.62 | 15 | 34.73 |
| 21 | 33.60 | 20 | 34.42 | 19 | 34.61 | 16 | 34.84 |
| 22 | 33.78 | 21 | 34.47 | 20 | 34.59 | 17 | 34.80 |
| 23 | 34.01 | 24 | 34.48 | 21 | 34.58 | 18 | 34.75 |
| 24 | 34.09 | 25 | 34.51 | 22 | 34.56 | 19 | 34.71 |
| 25 | 34.19 | 26 | 34.50 | 23 | 34.50 | 20 | 34.70 |
| 26 | 34.28 | 27 | 34.49 | 24 | 34.51 | 21 b | 34.86 |
| 27 | 34.34 | 28 | 34.51 | 25 | 34.50 | 25 | 34.43 |
| 28 | 34.34 | 29 | 34.50 | 26 | 34.61 | Oct. 2 | 34.50 |
| 29 | 34.40 | 30 | 34.54 | 27 | 34.66 | 9 | 35.27 |
| 30 | 34.46 | 31 | 34.54 | 28 | 34.64 | 23 | 35.37 |
| July 1 | 34.56 | Aug. 1 | 34.56 | 29 | 34.61 | 30 | 35.39 |
| 2 | 34.56 | 2 | 34.60 | 30 | 34.61 | Nov. 6 | 35.34 |
| 3 | 34.61 | 3 | 34.60 | 31 | 34.73 | 13 | 35.40 |
| 4 | 34.59 | 4 | 34.61 | Sept. 1 | 34.65 | Dec. 4 | 35.39 |
| 5 | 34.58 | 5 | 34.61 | 2 | 34.40 | 11 | 35.45 |
| 6 | 34.60 | 6 | 34.63 | 3 | 34.17 | 18 | 35.52 |
| 7 | 34.60 | 7 | 34.60 | 4 | 34.33 | 31 | 35.65 |
| 8 | 34.59 | | | | | | |

114. Happy Jack No. 1. City of Cheyenne. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 14 N., R. 68 W. Drilled municipal well, diameter 12 inches, depth 152 feet. Measuring point, top of casing, 0.7 foot above land surface and 6,366.20 feet above mean sea level. Equipped with turbine pump; not pumped during 1941.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|--------|-------|---------|-------|---------|-------|---------|-------|
| June 5 | 19.41 | June 26 | 19.01 | July 31 | 19.30 | Sept. 4 | 19.55 |
| 10 | 19.10 | July 3 | 19.17 | Aug. 7 | 19.43 | 11 | 19.61 |
| 14 | 19.08 | 10 | 19.25 | 14 | 19.41 | 18 | 19.68 |
| 16 | 18.82 | 17 | 19.30 | 26 | 19.46 | 25 | 19.56 |
| 19 | 18.79 | 24 | 19.19 | 28 | 19.48 | Oct. 2 | 19.68 |

a Water-level recorder installed. Measurements June 13 to Sept. 21 are noon levels from recorder charts.

b Water-level recorder removed.

115. Happy Jack No. 2. City of Cheyenne. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 14 N., R. 68 W. Drilled municipal well, diameter 10 inches, depth 184 feet. Measuring point to Oct. 9, 1941, top of casing at southeast side, 0.4 foot above land surface and 6,409.54 feet above mean sea level. Measuring point since Oct. 9, 1941, lowest point on auxiliary pipe through pump base, 1.5 feet above land surface and 6,410.65 feet above mean sea level. Equipped with turbine pump since Oct. 9, 1941; not pumped during 1941.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|----------|-------------|---------|-------------|
| June 5 | 19.28 | July 17 | 19.05 | Sept. 11 | 18.75 | Oct. 30 | 19.34 |
| 10 | 19.19 | 24 | 18.86 | 18 | 18.86 | Nov. 6 | 19.31 |
| 14 | 19.30 | 31 | 18.89 | 25 | 18.80 | 13 | 19.38 |
| 16 | 19.23 | Aug. 7 | 18.85 | Oct. 2 | 18.77 | Dec. 4 | 19.48 |
| 19 | 19.03 | 14 | 18.74 | 9 | 18.98 | 11 | 19.70 |
| 26 | 19.14 | 26 | 18.69 | 16 | 19.04 | 18 | 19.91 |
| July 3 | 19.24 | 28 | 18.69 | 23 | 19.32 | 31 | 20.14 |
| 10 | 19.07 | Sept. 4 | 18.61 | | | | |

116. Happy Jack No. 3. City of Cheyenne. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 14 N., R. 68 W. Drilled municipal well, diameter 12 inches, depth 194 feet. Measuring point to Oct. 2, 1941, top of casing at southeast side, 0.8 foot above land surface and 6,428.85 feet above mean sea level. Measuring point since Oct. 2, 1941, lowest point on auxiliary pipe through pump base, 1.4 feet above land surface and 6,429.45 feet above mean sea level. Equipped with turbine pump since Oct. 2, 1941; not pumped during 1941. Water-level recorder maintained on well from June 12, 1941, to Sept. 16, 1941.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|--------|-------|--------|-------|---------|-------|---------|-------|
| June 5 | 11.83 | July 8 | 12.70 | Aug. 5 | 12.89 | Sept. 2 | 12.74 |
| 10 | 11.66 | 9 | 12.71 | 6 | 12.89 | 3 | 12.58 |
| 12 | 11.71 | 10 | 12.72 | 7 | 12.87 | 4 | 12.65 |
| 13 | 11.88 | 11 | 12.74 | 8 | 12.87 | 5 | 12.81 |
| 14 | 12.10 | 12 | 12.72 | 9 | 12.86 | 6 | 12.72 |
| 15 | 12.20 | 13 | 12.75 | 10 | 12.82 | 7 | 12.67 |
| 16 | 12.01 | 14 | 12.77 | 11 | 12.83 | 8 | 12.78 |
| 17 | 11.84 | 15 | 12.77 | 12 | 12.89 | 9 | 12.84 |
| 18 | 11.70 | 16 | 12.76 | 13 | 12.88 | 10 | 12.90 |
| 19 | 11.84 | 17 | 12.75 | 14 | 12.90 | 11 | 12.89 |
| 20 | 12.06 | 18 | 12.71 | 15 | 12.93 | 12 | 12.84 |
| 21 | 12.25 | 19 | 12.70 | 16 | 12.92 | 13 | 12.82 |
| 22 | 12.33 | 20 | 12.71 | 17 | 12.90 | 14 | 12.84 |
| 23 | 12.37 | 21 | 12.76 | 18 | 12.91 | 15 | 12.90 |
| 24 | 12.35 | 22 | 12.76 | 19 | 12.90 | 16 | 13.00 |
| 25 | 12.38 | 23 | 12.72 | 20 | 12.91 | 18 | 13.04 |
| 26 | 12.45 | 24 | 12.70 | 21 | 12.89 | 25 | 12.98 |
| 27 | 12.47 | 25 | 12.72 | 22 | 12.89 | Oct. 2 | 12.97 |
| 28 | 12.46 | 26 | 12.72 | 23 | 12.84 | 9 | 13.63 |
| 29 | 12.50 | 27 | 12.73 | 24 | 12.80 | 16 | 13.33 |
| 30 | 12.55 | 28 | 12.77 | 25 | 12.80 | 23 | 13.45 |
| July 1 | 12.64 | 29 | 12.81 | 26 | 12.85 | 30 | 13.43 |
| 2 | 12.65 | 30 | 12.83 | 27 | 12.90 | Nov. 6 | 13.41 |
| 3 | 12.66 | 31 | 12.82 | 28 | 12.89 | 13 | 13.41 |
| 4 | 12.65 | Aug. 1 | 12.81 | 29 | 12.88 | Dec. 4 | 13.25 |
| 5 | 12.65 | 2 | 12.83 | 30 | 12.89 | 11 | 13.37 |
| 6 | 12.65 | 3 | 12.86 | 31 | 12.94 | 18 | 13.43 |
| 7 | 12.69 | 4 | 12.89 | Sept. 1 | 12.87 | 31 | 13.44 |

117. Silver Crown No. 1. City of Cheyenne. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 14 N., R. 68 W. Drilled municipal well, diameter 12 inches, depth 947 feet. Measuring point, edge of hole in pump base at west side, 1.7 feet above land surface. Equipped with turbine pump; not pumped during 1941.

a Water-level recorder installed. Measurements June 13 to Sept. 15 are noon levels from recorder charts.

b Recorder removed.

117. Silver Crown No. 1.--Continued.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|--------|-------------|---------|-------------|
| July 18 | 24.77 | Aug. 26 | 22.93 | Oct. 9 | 21.81 | Nov. 27 | 19.57 |
| 24 | 23.98 | Sept. 4 | 22.91 | 16 | 21.46 | Dec. 4 | 19.09 |
| 31 | 22.15 | 11 | 22.77 | 23 | 21.09 | 11 | 18.74 |
| Aug. 7 | 22.67 | 18 | 22.70 | 30 | 20.80 | 18 | 18.59 |
| 14 | 22.88 | 25 | 22.48 | Nov. 6 | 20.57 | 31 | 18.18 |
| 21 | 22.97 | Oct. 2 | 22.28 | 13 | 20.29 | | |

118. Silver Crown No. 2. City of Cheyenne. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 14 N., R. 68 W. Drilled municipal well, diameter 12 inches, depth 843 feet. Measuring point, top of inner casing at southwest side, 5.7 feet below land surface. Equipped with turbine pump; not pumped during 1941.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|---------|------|--------|------|---------|------|
| July 18 | 8.74 | Aug. 26 | 6.90 | Oct. 9 | 6.66 | Nov. 27 | 5.72 |
| 24 | 8.23 | Sept. 4 | 7.06 | 16 | 6.42 | Dec. 4 | 5.42 |
| 31 | 5.16 | 11 | 7.09 | 23 | 6.17 | 11 | 5.26 |
| Aug. 7 | 5.96 | 18 | 7.10 | 30 | 6.20 | 18 | 5.20 |
| 14 | 6.49 | 25 | 7.08 | Nov. 6 | 6.14 | 31 | 5.11 |
| 21 | 6.76 | Oct. 2 | 6.90 | 13 | 6.07 | | |

119. Silver Crown No. 3. City of Cheyenne. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 14, N., R. 68 W. Drilled municipal well, diameter 12 inches, depth 850 feet. Measuring point, top of casing at southeast side, 5.4 feet below land surface. Equipped with turbine pump; not pumped during 1941.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|--------|-------|---------|-------|
| July 24 | 17.14 | Aug. 26 | 17.98 | Oct. 2 | 19.04 | Nov. 13 | 18.46 |
| 31 | 16.06 | Sept. 4 | 18.43 | 9 | 18.97 | Dec. 4 | 17.90 |
| Aug. 7 | 16.60 | 11 | 18.70 | 16 | 18.85 | 11 | 17.70 |
| 14 | 17.27 | 18 | 18.88 | 30 | 18.60 | 18 | 17.58 |
| 21 | 17.73 | 25 | 19.00 | Nov. 6 | 18.53 | | |

120. No. 3 near Silver Crown. City of Cheyenne. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 14 N., R. 68 W. Abandoned drilled municipal test well, diameter 10 inches. Measuring point, top of casing, 3.7 feet below land surface.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|------|--------|------|---------|------|--------|------|
| Sept. 4 | 2.65 | Oct. 2 | 2.76 | Oct. 30 | 2.62 | Dec. 4 | 2.60 |
| 11 | 2.72 | 9 | 2.72 | Nov. 6 | 2.63 | 11 | 2.52 |
| 18 | 2.76 | 16 | 2.66 | 13 | 2.65 | 18 | 2.42 |
| 25 | 2.79 | | | | | | |

121. No. 4 near Silver Crown. City of Cheyenne. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 14 N., R. 68 W. Abandoned drilled municipal test well, diameter 12 inches, depth 111.8 feet. Measuring point, top of casing, 1.0 foot above land surface. Water-level recorder maintained on well from Sept. 30, 1941, to Nov. 13, 1941.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|-----------|-------|---------|-------|---------|-------|--------|-------|
| Sept. 3 | 10.78 | Oct. 10 | 10.72 | Oct. 24 | 10.61 | Nov. 6 | 10.66 |
| 11 | 10.82 | 11 | 10.73 | 25 | 10.61 | 7 | 10.66 |
| 18 | 10.86 | 12 | 10.72 | 26 | 10.62 | 8 | 10.69 |
| 25 | 10.83 | 13 | 10.71 | 27 | 10.64 | 9 | 10.66 |
| Oct. 30 a | 10.79 | 14 | 10.71 | 28 | 10.64 | 10 | 10.68 |
| 1 | 10.79 | 15 | 10.70 | 29 | 10.66 | 11 | 10.68 |
| 2 | 10.81 | 16 | 10.68 | 30 | 10.66 | 12 | 10.67 |
| 3 | 10.78 | 17 | 10.65 | 31 | 10.66 | 13 b | 10.68 |
| 4 | 10.75 | 18 | 10.66 | Nov. 1 | 10.67 | 27 | 10.69 |
| 5 | 10.74 | 19 | 10.65 | 2 | 10.67 | Dec. 4 | 10.70 |
| 6 | 10.72 | 20 | 10.65 | 3 | 10.67 | 11 | 10.74 |
| 7 | 10.71 | 21 | 10.65 | 4 | 10.66 | 18 | 10.70 |
| 8 | 10.72 | 22 | 10.64 | 5 | 10.66 | 31 | 10.81 |
| 9 | 10.73 | 23 | 10.62 | | | | |

a Water-level recorder installed. Measurements Oct. 1 to Nov. 13 are noon levels from recorder charts.

b Recorder removed.

122. Archibald No. 2. City of Cheyenne. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 14 N., R. 68 W. Abandoned, drilled municipal test well, diameter 12 inches, depth 187.5 feet. Measuring point, top of casing, 0.8 foot above land surface. Water-level recorder maintained on well since Sept. 30, 1941.

Daily noon water level, in feet below measuring point, 1941
(from recorder charts)

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Sept. 18 | a 10.65 | Oct. 22 | 10.25 | Nov. 14 | 10.07 | Dec. 6 | 10.01 |
| 30 | a 11.15 | 23 | 10.26 | 15 | 10.06 | 7 | 10.02 |
| Oct. 1 | 11.16 | 24 | 10.21 | 16 | 10.03 | 8 | 9.99 |
| 2 | 11.20 | 25 | 10.13 | 17 | 10.00 | 9 | 9.95 |
| 3 | 11.22 | 26 | 10.13 | 18 | 10.02 | 10 | 9.96 |
| 4 | 11.19 | 27 | 10.16 | 19 | 10.05 | 11 | 9.93 |
| 5 | 11.20 | 28 | 10.10 | 20 | 10.08 | 12 | 9.96 |
| 6 | 11.15 | 29 | 10.13 | 21 | 10.05 | 13 | 9.96 |
| 7 | 11.09 | 30 | 10.14 | 22 | 10.05 | 14 | 9.96 |
| 8 | 10.99 | 31 | 10.10 | 23 | 10.05 | 15 | 9.94 |
| 9 | 10.94 | Nov. 1 | 10.09 | 24 | 10.04 | 16 | 9.94 |
| 10 | 10.87 | 2 | 10.08 | 25 | 9.98 | 17 | 9.92 |
| 11 | 10.82 | 3 | 10.11 | 26 | 9.99 | 18 | 9.97 |
| 12 | 10.76 | 4 | 10.09 | 27 | 9.99 | 19 | 9.98 |
| 13 | 10.71 | 5 | 10.08 | 28 | 9.97 | 20 | 9.94 |
| 14 | 10.69 | 6 | 10.07 | 29 | 10.00 | 21 | 9.90 |
| 15 | 10.62 | 7 | 10.09 | 30 | 9.98 | 22 | 9.93 |
| 16 | 10.47 | 8 | 10.03 | Dec. 1 | 10.02 | 23 | 9.90 |
| 17 | 10.40 | 9 | 10.04 | 2 | 9.97 | 24 | 9.85 |
| 18 | 10.37 | 10 | 10.10 | 3 | 9.95 | 25 | 9.90 |
| 19 | 10.29 | 11 | 10.08 | 4 | 9.96 | 26 | 9.98 |
| 20 | 10.29 | 12 | 10.05 | 5 | 10.07 | 31 | a 9.79 |
| 21 | 10.27 | 13 | 10.08 | | | | |

123. Mark T. Cox, III. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 14 N., R. 67 W. Drilled stock well, diameter 4 inches, reported depth 425 feet. Measuring point, top of casing, 4.5 feet above land surface. Found flowing to stock tank prior to all measurements. Water levels, in feet below measuring point, 1941: July 31, b/ 1.96; Nov. 6, c/ 1.91.

124. A. L. King. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 13 N., R. 67 W. Unused, drilled domestic well, diameter 6 $\frac{1}{2}$ inches. Measuring point, top of casing, at land surface. Water level, in feet below measuring point, 1941: Sept. 3, 11.32.

126. A. L. King. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 13 N., R. 67 W. Unused drilled domestic well, diameter 6 $\frac{1}{2}$ inches, depth 19.8 feet. Measuring point, top of casing at west side, 5.3 feet below land surface. Water level, in feet below measuring point, 1941: Sept. 3, 7.82.

127. A. L. King. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 13 N., R. 67 W. Used drilled stock well, diameter 6 $\frac{1}{2}$ inches. Measuring point, top of casing at north-west side, 1.9 feet above land surface. Found flowing prior to measurement. Equipped with lift pump. Water level, in feet below measuring point, 1941: Sept. 3, 1.57.

129. Curtis Vaughn. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 14 N., R. 67 W. Used drilled domestic well, diameter 6 inches, reported depth 104 feet. Measuring point, hole in casing cover at northeast side, 1.5 feet above land surface and 6,147 feet above mean sea level. Equipped with lift pump.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|---------|-------|--------|-------|
| July 31 | 39.53 | Sept. 4 | 39.90 | Oct. 16 | 40.42 | Dec. 4 | 40.43 |
| Aug. 7 | 39.75 | 11 | 40.15 | 23 | 40.58 | 11 | 40.78 |
| 14 | 40.98 | 18 | 40.13 | 30 d | 48.03 | 18 | 40.84 |
| 21 | 39.71 | 25 | 41.10 | Nov. 6 | 41.11 | 31 | 41.10 |
| 28 | 39.75 | Oct. 2 | 40.32 | 13 d | 48.41 | | |

a Tape measurement, not from recorder charts.

b Shut off 30 minutes prior to measurement.

c Shut off 80 minutes prior to measurement.

d Pumped recently.

130. Mark T. Cox, III. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 14 N., R. 67 W. Used drilled domestic and stock well, diameter 6 inches, depth 149.9 feet. Measuring point, top of inner casing at west side, 4.7 feet below land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: Sept. 3, 20.31.

131. ----- SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 14 N., R. 67 W. Unused drilled domestic well, diameter 5 inches, depth 77.3 feet. Measuring point, top edge of wood piece set in concrete pump base at north side of casing, 0.3 foot above land surface. Equipped with lift pump.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|
| Oct. 30 | 20.57 | Dec. 11 | 20.01 | Dec. 31 | 20.10 |
| Nov. 13 | 20.47 | 18 | 20.19 | | |

132. Stock Growers National Bank. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 13 N., R. 66 W. Unused drilled stock well, diameter 5 inches, depth 227.0 feet. Measuring point, top of casing at flattened edge at northeast side, 0.5 foot above land surface.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| Oct. 10 | 213.84 | Oct. 27 | 213.69 | Nov. 13 | 213.77 | Dec. 18 | 213.59 |
| 16 | 213.82 | Nov. 7 | 213.89 | Dec. 4 | 213.18 | 31 | 213.45 |

133. W. J. Merna. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 13 N., R. 66 W. Unused drilled domestic well, diameter 5 inches, depth 81.1 feet. Measuring point, top of casing, 1.5 feet below land surface.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|---------|-------------|
| Oct. 10 | 51.98 | Nov. 7 | 52.04 | Dec. 4 | 51.49 | Dec. 31 | 51.65 |
| 16 | 51.92 | 13 | 51.92 | 18 | 51.81 | | |

134. Duck Creek Camp Well. Warren Live Stock Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 12 N., R. 68 W. Used drilled domestic and stock well, diameter and depth unknown. Measuring point, upper edge of hole in south side of pump base, 0.6 foot above land surface. Equipped with lift pump.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|--------|-------------|--------|-------------|
| July 10 | 18.58 | Aug. 8 | 20.46 | Oct. 9 | 20.83 | Dec. 4 | 20.72 |
| 15 | 18.28 | 15 | 19.43 | 16 | 20.84 | 9 | 20.72 |
| 29 | 18.57 | 29 | 19.91 | 27 | 20.81 | 18 | 20.73 |
| Aug. 1 | 18.76 | Sept. 24 | 20.64 | Nov. 7 | 20.76 | 31 | 20.46 |

136. Union Pacific Railroad Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 13 N., R. 67 W. Well in pump house at Speer. Used drilled railroad well, diameter 15 inches, depth 86.7 feet. Measuring point, top of casing at east side, 5.3 feet below land surface and 6,369 feet above mean sea level. Equipped with turbine pump.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|---------|-------------|--------|-------------|
| Aug. 1 | 60.53 | Sept. 9 | 60.55 | Oct. 27 | 60.55 | Dec. 4 | 60.27 |
| 8 | 60.68 | 24 | 60.57 | Nov. 6 | 60.51 | 18 | 60.40 |
| 15 | 60.50 | Oct. 2 | 60.45 | 13 | 60.81 | 31 | 60.18 |
| 29 | 60.83 | 9 | 60.77 | | | | |

137. Swan No. 1. Warren Live Stock Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 13 N., R. 67 W. Drilled well to be used to help maintain reservoir level in 1942, diameter 10 inches. Measuring point to Nov. 13, 1941, top of casing 1.6 feet above land surface. Measuring point since Nov. 13, 1941, edge of hole in pump base, 2.2 feet above land surface and 0.58 foot above old measuring point. Equipped with turbine pump since Dec. 1941; pump not operating during 1941. Pump test on well on Sept. 5, 1941.

a Pumped a little recently.

137. Swan No. 1.--Continued.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| July 10 | 18.01 | Aug. 26 | 17.69 | Sept. 7 | 18.26 | Oct. 2 | 17.83 |
| 15 | 17.88 | 28 | 17.68 | 8 | 18.11 | 9 | 17.78 |
| 28 | 17.78 | Sept. 3 | 17.65 | 9 | 18.00 | 16 | 17.73 |
| 31 | 17.78 | 4 | 17.71 | 10 | 17.97 | 27 | 17.67 |
| Aug. 7 | 17.73 | 5 a | 17.71 | 11 | 17.96 | Nov. 6 | 17.68 |
| 11 | 17.71 | 5 b | 20.59 | 13 | 17.88 | 13 | 17.66 |
| 21 | 17.70 | 6 | 18.75 | 24 | 17.78 | Dec. 31 | 18.05 |

138. Swan No. 2. Warren Live Stock Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 13 N., R. 67 W. Drilled well to be used to help maintain reservoir level in 1942, diameter 10 inches, depth 380 feet. Measuring point to Nov. 13, 1941, top of casing at southwest side, 2.8 feet above land surface. Measuring point since Nov. 13, 1941, edge of hole in pump base, 3.9 feet above land surface and 1.08 feet above old measuring point. Water level affected by plant transpiration. Equipped with turbine pump since Dec. 4, 1941; pump not operating during 1941. Pump test on well on Sept. 10, 1941. Water-level recorder maintained on well from July 24 to Sept. 6, 1941.

High and low water levels, in feet below measuring point, 1941
(from recorder charts)

| Day | June | | July | | Aug. | | Sept. | | Oct. | | Nov. | | Dec. | |
|-----|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|
| | High | Low | High | Low | High | Low | High | Low | High | Low | High | Low | High | Low |
| 1 | | | | | 4.20 | 4.27 | 4.22 | 4.26 | .... | .... | .... | .... | .... | .... |
| 2 | | | | | 4.23 | 4.32 | 4.22 | 4.29 | c6.42 | .... | .... | .... | .... | .... |
| 3 | | | | | 4.26 | 4.36 | 4.24 | 4.32 | .... | .... | .... | .... | .... | .... |
| 4 | | | | | 4.30 | 4.38 | 4.30 | 4.37 | .... | .... | .... | .... | c7.42 | .... |
| 5 | | | | | 4.31 | 4.41 | 4.33 | 4.39 | .... | .... | .... | .... | .... | .... |
| 6 | | | | | 2.68 | 4.42 | c4.34 | .... | .... | .... | c6.38 | .... | .... | .... |
| 7 | | | | | 3.58 | 3.86 | .... | .... | .... | .... | .... | .... | .... | .... |
| 8 | | | | | 3.86 | 3.99 | .... | .... | .... | .... | .... | .... | .... | .... |
| 9 | | | | | 3.98 | 4.10 | .... | .... | c6.44 | .... | .... | .... | .... | .... |
| 10 | | | c4.33 | .... | 2.35 | 3.10 | c3.97 | .... | .... | .... | .... | .... | .... | .... |
| | | | | | | | c3.66 | .... |  |  |  |  |  |  |
| 11 | | | | | 2.94 | 3.70 | c7.16 | .... | .... | .... | .... | .... | .... | .... |
| 12 | | | | | 3.65 | 3.79 | c6.78 | .... | .... | .... | .... | .... | .... | .... |
| 13 | | | | | 3.79 | 3.95 | c6.67 | .... | .... | .... | c6.41 | .... | .... | .... |
| 14 | | | | | 3.94 | 4.02 | .... | .... | .... | .... | .... | .... | .... | .... |
| 15 | | | | | 4.01 | 4.06 | .... | .... | .... | .... | .... | .... | .... | .... |
| 16 | | | | | 4.02 | 4.06 | .... | .... | c6.43 | .... | .... | .... | .... | .... |
| 17 | | | | | 4.03 | 4.08 | .... | .... | .... | .... | .... | .... | .... | .... |
| 18 | | | | | 3.82 | 4.01 | .... | .... | .... | .... | .... | .... | c7.52 | .... |
| 19 | | | | | 3.85 | 3.96 | .... | .... | .... | .... | .... | .... | .... | .... |
| 20 | | | | | 3.95 | 3.99 | .... | .... | .... | .... | .... | .... | .... | .... |
| 21 | | | | | 3.99 | 4.03 | .... | .... | .... | .... | .... | .... | .... | .... |
| 22 | | | | | 3.88 | 3.95 | .... | .... | .... | .... | .... | .... | .... | .... |
| 23 | | | | | 3.91 | 3.99 | .... | .... | .... | .... | .... | .... | .... | .... |
| 24 | c4.04 | .... | 4.07 | .... | 3.97 | 4.04 | c6.42 | .... | .... | .... | .... | .... | .... | .... |
| 25 | | | 3.87 | 4.11 | 4.01 | 4.06 | .... | .... | .... | .... | .... | .... | .... | .... |
| 26 | | | 3.94 | 4.03 | 4.04 | 4.07 | .... | .... | .... | .... | .... | .... | .... | .... |
| 27 | | | 4.03 | 4.08 | 4.04 | 4.09 | .... | .... | c6.39 | .... | .... | .... | .... | .... |
| 28 | | | 4.05 | 4.15 | 4.07 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 29 | | | 4.12 | 4.16 | .... | 4.19 | .... | .... | .... | .... | .... | .... | .... | .... |
| 30 | | | 4.14 | 4.16 | 4.15 | 4.22 | .... | .... | .... | .... | .... | .... | .... | .... |
| 31 | | | 4.17 | 4.25 | 4.21 | 4.27 | .... | .... | .... | .... | .... | .... | c7.52 | .... |

a Before pump test.

b Pump stopped after test 5 $\frac{1}{4}$ hours prior to measurement.

c Tape measurement, not from recorder chart.

d Pump test; pump stopped 5 $\frac{3}{4}$ hours prior to measurement.

139. Swan Camp Well. Warren Live Stock Co. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 13 N., R. 67 W. Used drilled domestic and stock well, depth 173 feet. Measuring point, low point on edge of hole drilled in pump base, 0.5 foot above land surface. Equipped with lift pump.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------|-------------|---------|-------------|--------|-------------|---------|-------------|
| July 9 | 22.91 | Aug. 29 | 23.03 | Oct. 9 | 23.32 | Nov. 13 | 23.40 |
| 15 | 22.74 | Sept. 4 | 23.16 | 16 | 23.35 | Dec. 4 | 23.43 |
| 28 | 22.63 | 11 | 23.12 | 27 | 23.29 | 18 | 23.51 |
| Aug. 8 | 22.72 | Oct. 2 | 23.29 | Nov. 6 | 23.37 | 31 | 23.51 |
| 16 | 22.88 | | | | | | |

140. J. J. Branigan. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 13 N., R. 67 W. Rarely used drilled domestic well, diameter 6 inches, depth 58.4 feet. Measuring point, edge of hole drilled in pump base, 0.9 foot above land surface. Equipped with lift pump.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------|-------------|--------|-------------|---------|-------------|---------|-------------|
| Sept. 12 | 21.74 | Oct. 9 | 21.79 | Nov. 13 | 21.64 | Dec. 18 | 21.52 |
| 24 | 22.37 | 27 | 21.67 | Dec. 4 | 21.48 | 31 | 21.49 |
| Oct. 2 | 21.78 | Nov. 6 | 21.64 | | | | |

141. T. Horsburgh. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 13 N., R. 67 W. Unused drilled domestic well, diameter 4 inches, reported depth 290 feet, measured 34.3 feet. Measuring point, high point on top of casing at northwest side, 4.5 feet below land surface. Well reported to have flowed until casing plugged by vandals.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|---------|-------------|---------|-------------|
| Aug. 11 | 1.99 | Sept. 11 | 2.16 | Oct. 16 | 2.46 | Nov. 13 | 1.73 |
| 21 | .71 | 24 | 2.41 | 27 | 1.05 | Dec. 4 | 2.17 |
| 29 | 1.52 | Oct. 2 | 2.41 | Nov. 6 | 1.52 | 18 | 2.33 |
| Sept. 4 | 1.88 | 9 | 2.45 | | | | |

143. Valley Ranch. Warren Live Stock Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 12 N., R. 67 W. Unused drilled stock well, diameter 6 inches. Measuring point, hole in casing cover at southwest side, 9.8 feet above land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: Nov. 7, 36.04.

144. Warren Live Stock Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 12 N., R. 67 W. Used drilled stock well, diameter 6 inches, depth 295.8 feet. Measuring point, hole in casing cover, 2.8 feet above land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: Nov. 7, 287.40.

146. Kimball. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 13 N., R. 67 W. Used dug stock well, rectangular 2 $\frac{1}{2}$ by 3 feet, depth 18.9 feet. Measuring point, top of 2 by 6-inch wood curb at blue arrow, 2.0 feet above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1941: June 16, 17.60; Oct. 9, 17.39.

147. Warren Live Stock Co. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 13 N., R. 67 W. Used drilled stock well, diameter 8 inches. Measuring point, top of casing beside cover plate at southwest side, 1.1 feet above land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: Sept. 2, a/ 45.89.

148. Triangle Camp Well. Warren Live Stock Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 13 N., R. 67 W. Used drilled stock well, diameter 5 inches. Measuring point, top of south half of pump clamp at west side, 1.0 foot above land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: July 10, b/ 29.96.

a Pump stopped 3 hours prior to measurement.

b Pump stopped 1 hour 25 minutes prior to measurement.

149. Speer Camp Well. Warren Live Stock Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 13 N., R. 67 W. Used drilled stock well, diameter 10 inches. Measuring point, edge of hole drilled in casing cover, 3.0 feet above land surface and 6,259 feet above mean sea level. Equipped with lift pump. Water level, in feet below measuring point, 1941: July 15, a/ 37.80.

150. William Conrad. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 13 N., R. 68 W. Used drilled domestic and stock well, diameter 5 inches, depth 282 feet. Measuring point, top of wooden clamp beside pump pipe at northwest side, 1.5 feet above land surface and 0.44 foot above top of casing. Equipped with lift pump. Well blows air continuously. Water level, in feet below measuring point, 1941: Sept. 12, 254.05.

154. Paddle Wheel Mill. Warren Live Stock Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 13 N., R. 68 W. Used drilled stock well, diameter 8 inches. Measuring point, hole in casing cover at southeast side, 3.5 feet above land surface. Equipped with lift pump and paddle-wheel windmill. Water levels, in feet below measuring point, 1941: Aug. 15, 182.40; Dec. 9, 182.99.

161. Perry Williams Place. Warren Live Stock Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 13 N., R. 69 W. Unused dug domestic well, 4 $\frac{1}{2}$ feet square, depth 6.4 feet. Measuring point, top of 6 by 6-inch timber at north side of pump rod, 1.0 foot above land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: July 30, 1.90.

162. Mountain Pasture Well. Warren Live Stock Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 13 N., R. 69 W. Used drilled stock well, diameter 8 inches. Measuring point, hole drilled in casing cover, 3.3 feet above land surface. Equipped with lift pump. Water levels, in feet below measuring point, 1941: Aug. 15, 230.32; Dec. 8, 230.20.

163. Rex Crews. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 14 N., R. 68 W. Used drilled domestic well, diameter 5 inches, depth 27.5 feet. Measuring point, edge of hole drilled in pump base, 0.7 foot above land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: Oct. 30, 20.52.

164. Rex Crews. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 14 N., R. 68 W. Used drilled domestic and stock well, diameter and depth unknown. Measuring point, edge of hole drilled in pump base, 2.5 feet above land surface. Equipped with lift pump.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|---------|-------------|
| Oct. 27 | 54.89 | Nov. 6 | 55.02 | Dec. 4 | 55.37 | Dec. 18 | 55.54 |
| 30 | 54.95 | 13 | 55.32 | 11 | 55.66 | | |

165. Irvin O'Connor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 14 N., R. 68 W. Used drilled domestic and stock well, diameter 3 inches, depth 79.8 feet. Measuring point, edge of hole drilled in east side of casing, 1.0 foot above land surface. Equipped with lift pump.

Water level, in feet below measuring point, 1941

| | | | | | | | |
|---------|-------|---------|-------|---------|-------|---------|-------|
| Oct. 16 | 75.84 | Oct. 30 | 76.50 | Nov. 13 | 76.54 | Dec. 18 | 77.05 |
| 23 | 76.36 | Nov. 6 | 76.59 | Dec. 11 | 76.83 | 31 | 77.05 |

166. Irvin O'Connor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 14 N., R. 68 W. Used drilled stock well, diameter 4 inches. Measuring point, top of casing between clamps at southwest side, 1.5 feet above land surface. Equipped with lift pumps.

Water level, in feet below measuring point, 1941

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|--------|-------------|--------|-------------|
| July 18 | 68.63 | Oct. 9 | 67.59 | Nov. 6 | 66.89 |
| Aug. 7 | 68.16 | 30 | 66.97 | | |

a Pump stopped 20 minutes prior to measurement.

167. ----- NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 12 N., R. 65 W. Used drilled stock well, diameter 5 inches, depth 267 feet. Measuring point, top of 2 by 9-inch plank at west side of casing, 0.8 foot above land surface. Equipped with lift pump. Water level, in feet below measuring point, 1941: Oct. 10, 260.63.

